

ADDENDUM NO. 1  
TO  
PLANS AND SPECIFICATIONS  
FOR  
CORPORATION COUNSEL / LIQUOR CONTROL OFFICE  
HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS  
PHASE II, RESTORATION  
JOB NO. B-4087A  
PONAHAWAI, SOUTH HILO, HAWAI'I  
COUNTY AND STATE OF HAWAI'I

**NOTICE TO ALL PROSPECTIVE BIDDERS**

The items listed below are made a part of the contract and shall govern the work, taking precedence over the previously issued plans and specifications governing the particular item of work mentioned.

**BID OPENING DATE**

The bid opening date will be postponed from August 9, 2012 to August 16, 2012 at 2:00 p.m.  
Bids received after the time fixed for opening will not be considered.

**PRE-BID CONFERENCE**

The following attached documents summarize discussions and clarifications provided during the Pre-Bid Conference held Wednesday, July 18, 2012 for the project.

1. Pre-Bid Conference Agenda/Meeting Minutes, 2 pages attached.
2. Pre-Bid Conference Attendance Sheet, 1 page attached.

**ITEM NO. 1 – LAGOON CENTRE'S RESTRICTIONS AND REQUIREMENTS**

1. Parking stalls on site are at a premium and Lagoon Centre will only be able to accommodate what has been established for construction; any vehicle parked in a stall not assigned to construction will be ticketed and banned from the property after two offenses. Construction assigned stalls to be used at Contractor's discretion, and are for Contractor's exclusive use. No parking in the loading area and driveway, except for active loading and unloading.
2. Access to Liquor Control and Corporation Counsel to be by service elevator and adjacent stairs only, no means of access to be allowed through main Lobby or passenger elevators.
3. Working hours on site to be from 7:00 a.m. to 3:30 p.m. and up to 4:30 p.m. with approval by the County and Lagoon Centre management.
4. No loud noises to be allowed before 8:00 a.m. (i.e. hammering, chipping, and drilling of concrete, powder actuated fasteners). Events with continuous loud noises, Contractor to provide 24 hours prior notification to Lagoon Centre management for notification to tenants.
5. No use of Lagoon Centre's restroom facilities to be allowed. Contractor to provide portable toilets with Lagoon Centre's management approval for placement.

## **ITEM NO. 2 – PARKING AND STAGING**

The following attached plan designate the locations for parking and staging areas based on Lagoon Centre's agreement with the tenants for the use of their parking stalls.

1. Partial Parking Site Plan. (1page attached).

## **REQUEST FOR CLARIFICATION** None

## **CHANGES TO BIDDING DOCUMENTS**

### **Item No. 1: Section 02-TABLE OF CONTENTS**

Revise specification Section 02 - TABLE OF CONTENTS (4 pages attached).

### **Item No. 2: Section 012300 – ALTERNATES**

Add specification Section 012300 - ALTERNATES to add Additive Alternate No. 1 and Additive Alternate No. 2 (2 pages).

### **Item No. 3: Section 082120 – STILE AND RAIL WOOD DOORS**

Delete specification Section 082120 - STILE AND RAIL WOOD DOORS.

### **Item No. 4: Section 084100 – ALUMINUM ENTRANCES AND STOREFRONTS**

Delete specification Section 084100 - ALUMINUM ENTRANCES AND STOREFRONTS.

### **Item No. 5: Section 087100 – FINISH HARDWARE**

Add specification Section 087100 - FINISH HARDWARE (16 pages).

### **Item No. 6: Section 088000 – GLAZING**

Reissue specification Section 088000 - GLAZING (11 pages).

### **Item No. 7: Section 122113 – HORIZONTAL LOUVER BLINDS**

Add specification Section 122113 - HORIZONTAL LOUVER BLINDS (3 pages).

### **Item No. 8: Sheet A2.13.1**

Add Sheet A2.13.1 EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / FURNITURE PLAN.

Item No. 9: Sheet A3.13.1

Add Sheet A3.13.1 EXISTING CORPORATION COUNSEL / RESTORATION / FURNITURE PLAN.

Item No. 10: Sheet A3.13.2

Add Sheet A3.13.2 EXISTING CORPORATION COUNSEL / RESTORATION / PARTIAL FURNITURE PLAN

Item No. 11: Sheet A3.13.3

Add Sheet A3.13.3 EXISTING CORPORATION COUNSEL / RESTORATION / PARTIAL FURNITURE PLAN

Item No. 12: *Furniture, Finishing and Equipment Album*

Add *Furniture, Finishing and Equipment Album*: dated, July, 2012. 41 pages, including cover sheet.

**CHANGES TO DRAWINGS**

Item No. 1: Sheet A2.2.2

Revised Sheet A2.2.2 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / PARTIAL FLOOR PLAN; relocated paper towel dispenser in Room L09, added sign in Room L01 and relocated sign at Door L12.

Item No. 2: Sheet A2.3.1

Revised Sheet A2.3.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / FINISH SCHEDULE, SIGN SCHEDULE, SIGN TYPE, MOUNTING TYPES & DETAILS; added sign Type “D”, revised SIGN SCHEDULE.

Item No. 3: Sheet A2.8.1

Revised Sheet A2.8.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / DOOR SCHEDULE, DOOR & WIN. TYPES, AND THRESHOLD TYPES; revised DOOR SCHEDULE and Detail 1 and Detail 2.

Item No. 4: Sheet A2.9.1

Revised Sheet A2.9.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / WINDOW SCHEDULE & DETAILS; revised WINDOW SCHEDULE and Detail 1.

Item No. 5: Sheet A2.10.1

Revised Sheet A2.10.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3 and 4 to show new signage and revised door types.

Item No. 6: Sheet A2.10.2

Revised Sheet A2.10.3 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3, 4 and 6 to show revised door and window types.

Item No. 7: Sheet A2.10.3

Revised Sheet A2.10.3 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2 and 4 to show revised door types and relocated paper towel dispenser.

Item No. 8: Sheet A2.14.1

Revised Sheet A2.14.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / ADA ACCESSIBLE ROUTE; revised Note at Detail 1 and location of paper towel dispenser on Detail 3.

Item No. 9: Sheet A2.14.2

Revised Sheet A2.14.2 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / ADA ACCESSIBLE ROUTE; revised Details 1, 2, 3, 4, 5, 6, 7, 8 and 9 to show revised ADAAG Section reference numbers.

Item No. 10: Sheet A3.2.2

Revised Sheet A3.2.2 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / PARTIAL FLOOR PLAN; revised to show new and relocated sign at Door C39, reconfigured windows at interior offices, additional dimension at Door C06 and revised dimension at Room C08.

Item No. 11: Sheet A3.2.3

Revised Sheet A3.2.3 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / PARTIAL FLOOR PLAN; revised to show reconfigured windows at interior offices and relocation of lavatory at Room C27.

Item No. 12: Sheet A3.7.5

Revised Sheet A3.7.5 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / DETAILS; revised Detail 5 and Detail 8.

Item No. 13: Sheet A3.8.1

Revised Sheet A3.8.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / DOOR SCHEDULE, DOOR TYPES, DOOR FRAME TYPES; revised DOOR SCHEDULE and Detail 1 and Detail 2.

Item No. 14: Sheet A3.9.1

Revised Sheet A3.9.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / WINDOW SCHEDULE, WINDOW TYPES, WINDOW FRAME TYPES; revised WINDOW SCHEDULE and Detail 1.

Item No. 15: Sheet A3.9.2

Revised Sheet A3.9.2 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / WINDOW DETAILS; add Detail 14 and Detail 15, revise Detail 1 and omit Details 3, 7, 8 and 11.

Item No. 16: Sheet A3.10.1

Revised Sheet A3.10.1 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3, 4 and 5 to show revised door and window types.

Item No. 17: Sheet A3.10.2

Revised Sheet A3.10.2 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2 and 4 to show revised door and window types.

Item No. 18: Sheet A3.10.3

Revised Sheet A3.10.3 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3 and 4 to show revised door and window types.

Item No. 19: Sheet A3.10.4

Revised Sheet A3.10.4 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3, 4 and 5 to show revised door and window types.

Item No. 20: Sheet A3.10.5

Revised Sheet A3.10.5 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 4, 6 and 7 to show revised door and window types.

Item No. 21: Sheet A3.10.6

Revised Sheet A3.10.6 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3 and 4 to show revised door and window types and revised Detail 5 to show relocated lavatory and toilet accessories in Room C27.

Item No. 22: Sheet A3.10.7

Revised Sheet A3.10.7 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3 and 4 to show revised door and window types.

Item No. 23: Sheet A3.10.8

Revised Sheet A3.10.8 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3 and 4 to show revised door and window types.

Item No. 24: Sheet A3.10.9

Revised Sheet A3.10.9 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1 door types.

Item No. 25: Sheet A3.10.10

Revised Sheet A3.10.10 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / INTERIOR ELEVATIONS; revised Details 1, 2, 3 and 4 to show revised door and window types.

Item No. 26: Sheet A3.14.2

Revised Sheet A3.14.2 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / ACCESSIBILITY FLOOR PLAN; revised to show new and relocated sign at Door C39 and additional dimension at Door C06.

Item No. 27: Sheet A3.14.3

Revised Sheet A3.14.3 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / ACCESSIBILITY FLOOR PLAN; revised to show relocation of lavatory at Room C27.

Item No. 28: Sheet A3.14.4

Revised Sheet A3.14.4 / EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / ACCESSIBILITY DETAILS; revised Details 3, 4, 5, 9 and 10 to show revised ADAAG Section reference numbers.

Item No. 29: Sheet P2.3

Revised Sheet P2.3 / PARTIAL NEW PLUMBING FLOOR PLAN, Detail 1.

Item No. 30: Sheet P2.4

Revised Sheet P2.4 / PIPING DIAGRAMS, Detail 5 and Detail 6.

Item No. 31: Sheet E1.1

Revised Sheet E1.1 / ELECTRICAL NOTES; Mounting Notes revised.

Item No. 32: Sheet E2.2

Revised Sheet E2.2 / POWER PLAN – NEW WORK; Added fire alarm notification device in Room L01.

Item No. 33: Sheet E2.3

Revised Sheet E2.3 / LIGHTING FLOOR PLAN – NEW WORK; LUMINAIRE SCHEDULE, revised luminaire Type D.

Item No. 34: Sheet E3.0

Revised Sheet E3.0 FIXTURE SCHEDULE, SINGLE LINE AND PANELS; LUMINAIRE SCHEDULE revised luminaire Type E.

Item No. 35: Sheet E3.6

Revised Sheet E3.6 / PARTIAL POWER FLOOR PLAN – NEW WORK; Added fire alarm notification device in Room C19.

**REQUEST FOR SUBSTITUTION**

#	Item	Specified Brand	Substitute
1	Indoor occupancy sensor	Hubbell	Day-Brite LRM225500
2	Wall-switch sensor	Cooper	Day-Brite LRS221000
3	Fixture Type E (Sheet E2.3)	Prescolite	Brownlee 2061-BK-13
4	Fixture Type A (Sheet E2.3)	Holophane	Columbia LEPC24-3566G-LL-ESDU
5	Fixture Type B (Sheet E2.3)	Holophane	Columbia LEPC24-3544G-LL-ESDU
6	Fixture Type C (Sheet E2.3)	Holophane	Columbia LEPC14-3533G-LL-ESDU
7	Fixture Type D (Sheet E2.3)	Holophane	Dual-Lite SESRBEI-FAP-WGLX
8	Fixture Type F (Sheet E2.3)	Lithonia	Lightolier LP201WH/LP200WH
9	Fixture Type G (Sheet E2.3)	Lithonia	Columbia LEPC14-3533SM-LL-ESDU
10	Fixture Type A (Sheet E3.0)	Lithonia	Columbia LSER22-35HLG-C-EU
11	Fixture Type B (Sheet E3.0)	Lithonia	Columbia LEPC24-3544SM-LL-ESDU
12	Fixture Type C (Sheet E3.0)	Prescolite	Brownlee 2061-BK-13
13	Fixture Type D (Sheet E3.0)	Twicebright	Dual-Lite SESRBEI-FAP-WGLX
14	Fixture Type E (Sheet E3.0)	Holophane	Dual-Lite SESRBEI-FAP-WGLX
15	Fixture Type F (Sheet E3.0)	Advantage	Tube Ltg STRFS-6-24V-LED
16	Fixture Type H (Sheet E3.0)	Holophane	Columbia LEPC22-3533G-LL-ESDU/FK22
17	Fixture Type J (Sheet E3.0)	Holophane	Columbia LEPC14-3533G-LL-ESDU
18	Fixture Type K (Sheet E3.0)	Holophane	Columbia LEPC24-3544G-LL-ESDU
19	Fixture Type L (Sheet E3.0)	Lithonia	Lightolier LP201WH/LP200WH
20	Fixture Type M (Sheet E3.0)	Lithonia	Columbia LEPC14-3533SM-LL-ESDU
21	Fixture Type N (Sheet E3.0)	Lithonia	Luminaire CLF7-4-28W HP-3900K-120-CP-WHT
22	Fixture Type EM(Sheet E3.0)	Lithonia	Dual-Lite LZ20NI-03L

For Item No. 4, provide “EL” option as required in the Contract Documents.

For Item No. 5, provide “EL” option as required in the Contract Documents.

For Item No. 6, provide "FK14" option for flange mount kit and "EL" option as required in the Contract Documents.

For Item No. 9, provide "EL" option as required in the Contract Documents.

For Item No. 10, provide "EL" option as required in the Contract Documents.

For Item No. 11, provide "EL" option as required in the Contract Documents.

For Item No. 16, provide "EL" option as required in the Contract Documents.

For Item No. 17, provide "EL" option as required in the Contract Documents.

For Item No. 18, provide "FK14" option for flange mount kit and "EL" option as required in the Contract Documents.

For Item No. 20, provide "EL" option as required in the Contract Documents.

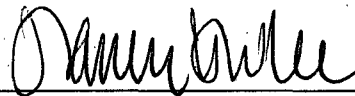
### **CLARIFICATIONS**

#### **Item No. 1: Section 078400 – FIRESTOPPING**

In addition to all required firestopping, Contractor shall provide and install firestopping at all new and existing pipe or conduit penetrations through the existing concrete floor deck and existing concrete ceiling to provide minimum two-hour fire protection.

#### **Item No. 2: Section 035416 – HYDRAULIC CEMENT UNDERLAYMENT**

The intent of this specification section is that Hydraulic Cement Underlayment will be applied in all room locations where vinyl floor tile or sheet vinyl flooring is to be installed so as to provide a smooth and consistent underlayment surface for the application of finish flooring materials.



Warren H. W. Lee, P.E., Director  
Department of Public Works  
County of Hawai'i

Date Issued: July 31, 2012

Please detach and execute receipt below and return immediately to the Administration Office, Department of Public Works, County of Hawai'i, Hilo, Hawai'i.

Receipt of Addendum No. 1 for Corporation Counsel / Liquor Control Office Hazardous Material Mitigation and Improvements Phase II, Restoration, Job No. B-4087A, Ponahawai, South Hilo, Hawai'i, is hereby acknowledged.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Firm: \_\_\_\_\_

Date: \_\_\_\_\_



**CORPORATION COUNSEL / LIQUOR CONTROL OFFICE  
HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS  
PHASE II, RESTORATION  
Job No. B- 4087A**

**Pre- Bid Conference**

Wednesday, July 18, 2012 @ 10:00 a.m.  
Department of Public Works Conference Rm  
101 Pauahi Street, Suite 7, Room 703

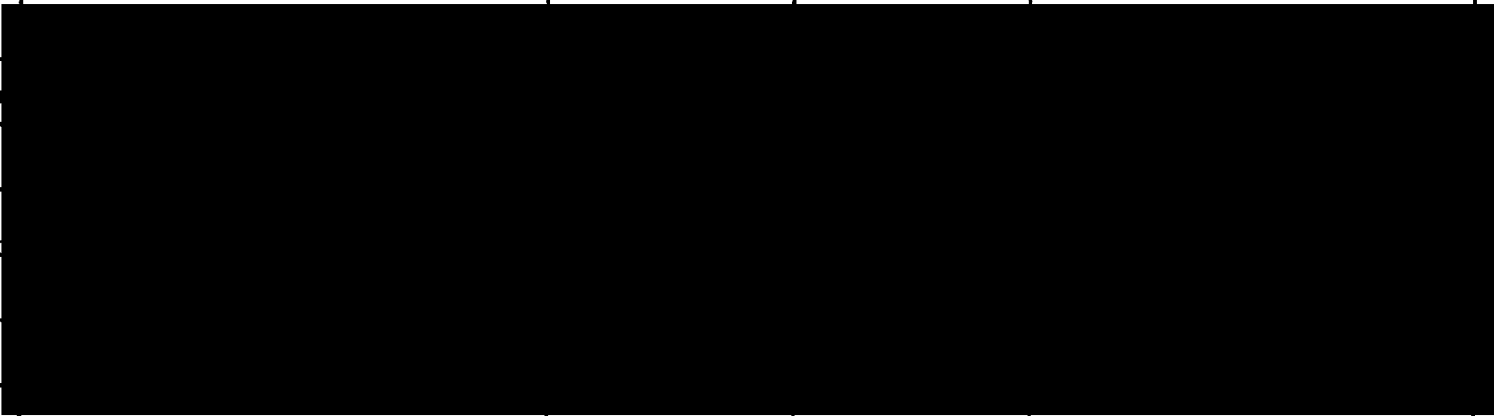
**AGENDA**

- 1 Introductions
  - A Owner: County of Hawai'i, Department of Public Works
  - B Prime Consultant: Fleming & Associates, LLC (not present)  
557 Manono Street, Hilo, Hawai'i 96720
  - C Construction Mgmt: County of Hawai'i, Department of Public Works, Building Division  
James Imanaka, Project Coordinator
  - D Self-Invitation of other attendees:
  - E Sign-in/Attendance Sheet
- 2 Project Dates:
  - A Bid Advertisement: Friday, June 29, 2012
  - B Intent To Bid: due Monday, July 30, 2012 (unless Bid Opening is postponed)
  - C Certification for Hawai'i Products Preference: due Monday, July 30, 2012
  - D Approved SQQO Form: due by Tuesday, August 7, 2012 by 2:00 p.m.
  - E Bid Opening: Thursday, August 9, 2012, @ 2:00 p.m.
- 3 Minimum Contractor Licensing Requirements:
  - A General Contractor: "B" License
  - B Subcontractor/Specialty Contractors: C-1, C-2, C-7, C-13, C-14, C-21, C-22, C-33, C-37, C-37d, C-44, C-51, C-52, C-68AL  
Additional "C" licenses can be added at the Contractor's discretion.
- 4 Project Schedule:
  - A 140 Consecutive Working Days
  - B Commencement date to be determined based on:
    - 1) Execution of contract documents
- 5 Liquidated Damages: \$1,000.00 per working day delay, Reference Special Provision Section 8.11
- 6 Scope of Work: This project generally consists of carpentry, air conditioning, electrical, plumbing, painting, cabinetry, gypsum board with metal studs, acoustical tile ceiling, windows and doors, restroom fixtures, ceramic tile, carpet and vinyl flooring, audio/visual equipment, signage, and other miscellaneous work and appurtenances, in accordance with the plans and specifications. Additive Alternate items include 1) furnish new furniture for Liquor Control; 2) furnish new furniture for Corporation Counsel

- 7 Requests For Information (RFIs) and Requests For Clarification (RFCs) shall be in writing and sent to: James Imanaka at [jimanaka@co.hawaii.hi.us](mailto:jimanaka@co.hawaii.hi.us) or above address.
- 8 Addendum:
  - A Addendum No. 1 pending.
- 9 Discussion:
  - A Plans missing sheets A2.13.1, A3.13.1, A3.13.2, A3.13.3 and Specification missing Section 087100 Door Hardware. To be issued in an addendum.
  - B Will be issuing in an Addendum Lagoon Centre's restrictions and requirements, and Contractors parking and staging area on site.
- 10 Meeting Minutes:
  - A All response to RFI and RFC will be by an Addendum, so as every bidder will receive the same information.
  - B Addendum to be issued for additional scope of work.
  - C Site access visitation to Liquor Control or Corporation Counsel; please contact James Imanaka at (808) 961-8371. Please coordinate visitation with your Subcontractors as a group.

The meeting concluded at 11:05 a.m. If there are any corrections to the meeting minutes please, inform us in writing upon receipt. Meeting minutes prepared by James Imanaka.

Corporation Counsel/Liquor Control Office  
 Hazardous Material Mitigation and Improvements  
 Phase II Restoration  
 Job No. B-4087A  
 Wednesday, July 18, 2012 at 10:00 a.m.  
 Aupuni Center  
 Department of Public Works  
 Aupuni Center  
 101 Pauahi Street, Suite 7  
 Hilo, HI 96720-4224  
 Pre-Bid Conference Attendance Sheet

Name	Organization	Address	Telephone	Fax No.	Email Address
JAMES IMANAKA	COH DPW/BLDG. DIV.				
TOM BRAINBLO	Pacific Concrete Cutting & Co.				
Lester Bondallian	Constructors Hawaii Inc				
GLORIA OLIVERA	CTARI'S CONTRACTING, INC				
Tracey Brown	Edwards Hawaiian Elec.				
Carl Matubara	A-1A Elec.				

CORPORATION COUNSEL/LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL  
MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION  
Job No. B-4087A

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CORPORATION COUNSEL/LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL  
MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION  
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CORPORATION COUNSEL/LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL  
MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION  
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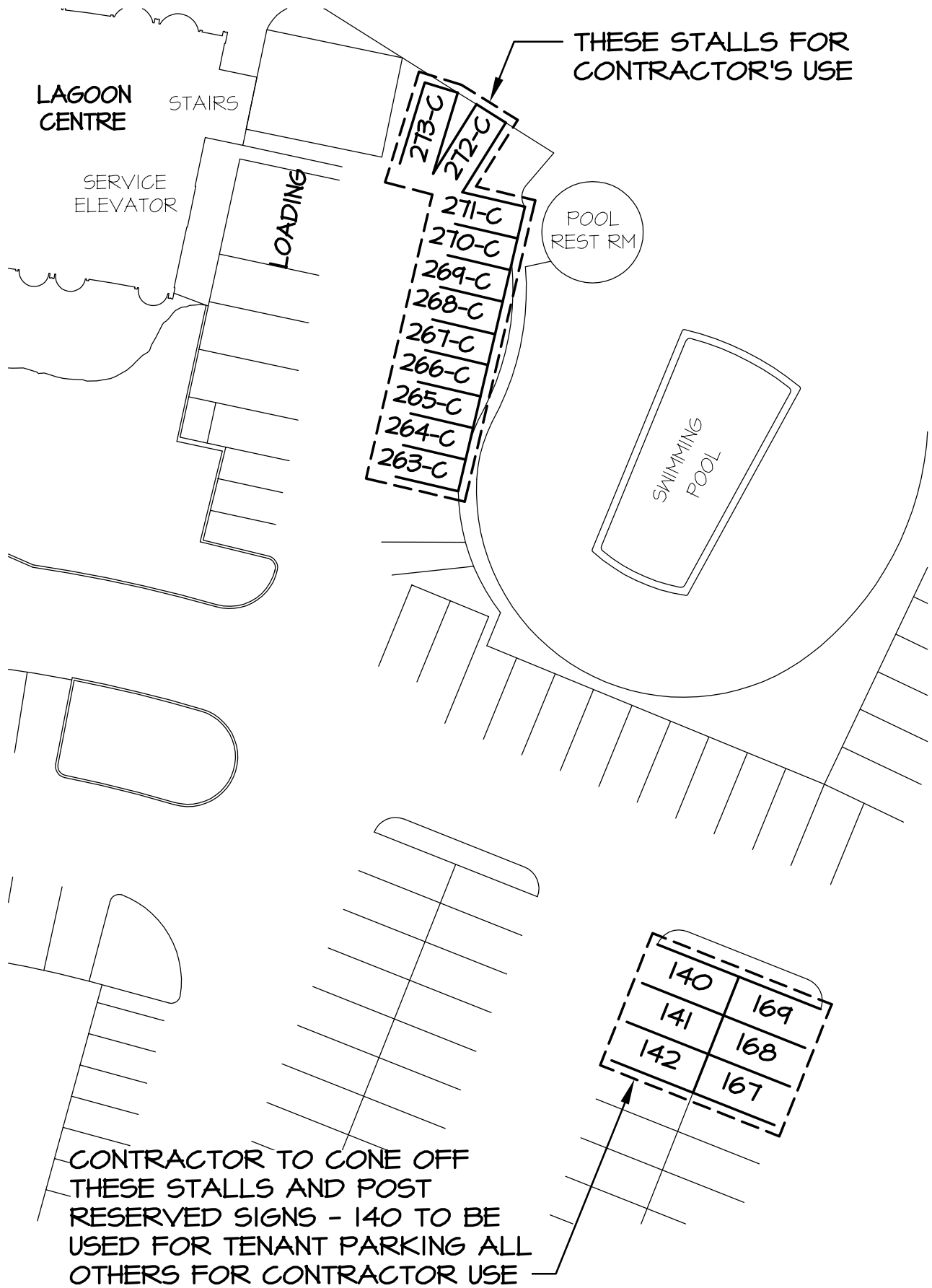
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CORPORATION COUNSEL/LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL  
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SECTION 01230 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

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PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. **Additive Alternate No. 1:** Provide labor, materials and equipment as required for new furniture and equipment for Liquor Control Department as indicated on drawing Sheet A2.13.1 EXISTING LIQUOR CONTROL DEPARTMENT / RESTORATION / FURNITURE PLAN and the *Furniture, Finishing and Equipment Album*: dated, July, 2012. 41 pages, including cover sheet.
- B. **B.Additive Alternate No. 2:** Provide labor, materials and equipment as required for new furniture and equipment for Liquor Control Department as indicated on drawing Sheet A3.13.1 EXISTING CORPORATION COUNSEL / RESTORATION / FURNITURE PLAN, A3.13.2 EXISTING CORPORATION COUNSEL / RESTORATION / PARTIAL FURNITURE PLAN and A3.13.3 EXISTING CORPORATION COUNSEL / RESTORATION / PARTIAL FURNITURE PLAN and the *Furniture, Finishing and Equipment Album*: dated, July, 2012. 41 pages, including cover sheet.

END OF SECTION 012300

## SECTION 087100 - FINISH HARDWARE

### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.02 SUMMARY

- A. Section Includes: Door hardware for wood doors, steel doors, aluminum framed entrance doors, and miscellaneous hardware items.
- B. Provide hardware not described herein but otherwise required for proper completion of the project, conforming to size, function, quality, and finish of other specified hardware.

#### 1.03 REFERENCED STANDARDS

- A. Builders Hardware Manufacturers Association (BHMA):
  - 1. ANSI/BHMA A156.1 Butts and Hinges.
  - 2. ANSI/BHMA A156.2 Bored and Preamsembled Locks and Latches.
  - 3. ANSI/BHMA A156.3 Exit Devices.
  - 4. ANSI/BHMA A156.4 Door Controls - Closers.
  - 5. ANSI/BHMA A156.5 Auxiliary Locks and Associated Products.
  - 6. ANSI/BHMA A156.6 Architectural Door Trim.
  - 7. ANSI/BHMA A156.7 Template Hinge Dimensions.
  - 8. ANSI/BHMA A156.8 Door Controls - Overhead Stops and Holders.
  - 9. ANSI/BHMA A156.16 Auxiliary Hardware.
  - 10. ANSI/BHMA A156.18 Materials & Finishes.
  - 11. ANSI/BHMA A156.21 Thresholds.
  - 12. ANSI/BHMA A156.22 Door Gasketing and Edge Seal Systems.
  - 13. ANSI/BHMA A156.28 Recommended Practices for Mechanical Keying Systems.
  - 14. ANSI/BHMA A156.31 Electrified Strikes and Frame Mounted Activators.
  - 15. ANSI/BHMA A156.115 Hardware Preparation in Steel Doors with Steel Frames.
  - 16. ANSI/BHMA A156.115W Hardware Preparation in Wood Doors with Wood or Steel Frames.
- B. Door and Hardware Institute (DHI):
  - 1. ANSI/DHI A115.IG Installation Guide for Doors and Hardware
  - 2. DHI Keying Systems and Nomenclature
  - 3. DHI Sequence and Format for the Hardware Schedule
- C. International Building Code (IBC), including all amendments as adopted by the State of Hawaii

D. National Fire Protection Association (NFPA):

1. NFPA 80 Fire Doors and Fire Windows
2. NFPA 252 Fire Tests of Door Assemblies

E. Underwriters Laboratories Inc. (UL):

1. UL 10C Positive Pressure Fire Tests Of Door Assemblies
2. UL 305 Panic Hardware
3. UL 1034 Burglary-Resistant Electric Locking Mechanisms

1.04 SUBMITTALS

A. Products other than those designated herein must be approved as substitutions prior to submittal of Door Hardware.

B. Door Hardware Schedule: Vertical format conforming to DHI "Sequence and Format for the Hardware Schedule." Horizontal format schedules will be rejected without review. Format shall be 8-1/2 by 11 inch page size. Organize Schedule into headings, grouping doors to receive same hardware items, indicating quantity and complete designations of every item required for each door opening. The schedule shall include:

1. Cover sheet indicating name and location of Project; name of Architect; name of Contractor; name, address and phone of hardware supplier, name of hardware consultant preparing the schedule; date of submittal or revised submittal.
2. A list of abbreviations used in schedule.
3. An index of door openings, listed in numerical order, with hardware heading identification cross-referenced to Architect's set identification.
4. Hardware headings shall be listed in numerical order corresponding, as closely as possible, with numerical order of Architect's set numbers.
5. Each hardware heading shall have each door listed in numerical order according to door numbers in the Architect's door schedule, and denoting: location, configuration (single, pair, etc.), type (elevation, etc.), door and frame size(s), door and frame material(s), handing, fire rating, and key set identification.
6. Type, complete model number, style, function, size, hand, and finish of each door hardware item.
7. Manufacturer of each item.
8. Fastenings and other pertinent information.

C. Manufacturer's Technical Product Data / Catalog Cut Sheets: Clearly marked for each hardware item, including installation details, material descriptions, dimensions of individual components and profiles, and finishes. Format shall be 8-1/2 by 11 inch page size.

D. Keying Schedule: In accordance with Owner's final keying instructions for locks. Conform to DHI "Keying Systems and Nomenclature." Format shall be 8-1/2 by 11 inch page size.

E. After final approval, samples shall be delivered to the Owner for use as extra materials.

- F. Operation and Maintenance Data: Provide complete operating and maintenance instructions listing routine maintenance procedures, possible breakdowns and repairs, and troubleshooting guides.
- G. Qualification Data: For firms and persons specified in "Quality Assurance" Article.
- H. Warranties: Special warranties specified in this Section.

#### 1.05 QUALITY ASSURANCE

- A. Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.
- B. Manufacturers, Hardware Supplier, and Installer shall have no less than five years experience in the provision of Door Hardware for projects similar in size, complexity and type to this Project.
- C. Hardware Schedule and Keying Schedule submittals shall be prepared by a Hardware Consultant holding the credentials of Architectural Hardware Consultant (AHC) issued by the Door and Hardware Institute. Hardware Consultant shall have no less than five years experience in the scheduling of Door Hardware for projects similar in size, complexity and type to this Project; and shall be available, at no additional cost, during the course of the Work to consult with Contractor, Architect, and Owner regarding door hardware and keying.

#### 1.06 REGULATORY REQUIREMENTS

- A. Fire-Rated Door Assemblies: Provide door hardware for assemblies complying with all applicable regulations, listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction.
  - 1. At rated doors with panic exit devices, provide devices labeled as "Fire Exit Device."
- B. Requirement: Comply with Hawaii Revised Statutes, Section 103-50, administered by the Disability and Communications Access Board, State of Hawaii.
- C. Requirement: Doors, doorways and gates that are part of an accessible route shall conform to ADAAG Section 404 (2004 Edition.)
- D. Requirement: Latching and locking doors that are hand-activated and that are in a path of travel shall be operable with a single effort by lever-type hardware, panic bars, push-pull activating bars, or other hardware designed to be easy to grasp with one hand, not requiring tight grasping, tight pinching or twisting of the wrist; from egress side shall not require the use of a key, tool, or special knowledge for operation.
- E. Requirement: Doors shall conform to ADAAG Section 404.2.7 (2004 Edition); Handles, pulls, latches, locks and other operable parts on doors and gates shall comply with ADAAG Section 309.4. Operable parts of such hardware shall be 34 inches minimum and 48 inches maximum above the finish floor or ground.

- F. Requirement: Doors shall conform to ADAAG Section 404.2.8 (2004 Edition); Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum. Doors and gate hinge springs shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.
- G. Requirement: Doors shall conform to ADAAG Section 404.2.9 (2004 Edition); Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
1. At rated doors with panic exit devices, provide devices labeled as "Fire Exit Device."
  2. Interior hinged doors and gates: 5 pounds maximum.
  3. Sliding or folding doors: 5 pounds maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

- H. Requirement: Doors shall conform to ADAAG Section 404.2.5 (2004 Edition); Thresholds, if provided at doorways, shall be 1/2 inch high maximum. Raised thresholds and changes in level at doorways shall comply with [Section] 302 and 303. Existing or altered thresholds 3/4 inch high maximum that have a beveled edge on each side with a slope not steeper than 1:2 shall be required to comply with [Section] 404.2.5.

#### 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Each article of hardware shall be delivered individually packaged in the manufacturer's standard commercial carton or container, and shall be properly marked or labeled to be readily identifiable with the approved hardware schedule.
- B. Manufacturer's printed installation instructions, fasteners, and special tools shall be included in each package.
- C. Hardware shall be stored in a dry, secure locked area, complete with shelving for unpacking and sorting of the door hardware.
- D. Deliver all master keys by restricted, receipted delivery directly from the manufacturer to the Owner.

#### 1.08 COORDINATION

- A. Provide hardware templates to the parties involved for doors, frames, and other work specified to be factory prepared for door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- B. When required by door or frame fabricator, furnish physical samples of each mortised and recessed hardware item required.
- C. Coordinate layout and installation of recessed pivots and closers with floor construction.

- D. Electrical System Rough-in: Coordinate layout and installation of electrified door hardware with connections to power supplies, fire alarm system and detection devices, access control system, and security system as applicable.
- E. Pre-Installation Conference: Arrange conference at job site to coordinate door, frame, hardware and electronic security hardware installation; to be attended by the Architect, Owner, Contractor and representative personnel of firms involved in the provision and installation of said items.
- F. Keying Conference: Arrange conference with Owner, or designated representative, and Manufacturer's/ Hardware Supplier's Architectural Hardware Consultant to establish keying requirements. Incorporate keying conference decisions into Keying Schedule.

#### 1.09 WARRANTY

- A. In addition to, and not precluding, other warranty requirements in the Contract Documents, the following hardware items shall carry extended minimum warranties as indicated:
  - 1. Hinges: Ten years from date of Substantial Completion.
  - 2. Locks: Five years from date of Substantial Completion.
  - 3. Exit Devices: Three years from date of Substantial Completion.
  - 4. Door Closers: Ten years from date of Substantial Completion.

#### 1.10 MAINTENANCE

- A. Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

### PART 2 - PRODUCTS

#### 2.01 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with requirements herein, provide products by one of the following manufacturers for each type of hardware:
  - 1. Butt Hinges: Bommer (BOM), Hager (HAG), McKinney (MCK), Stanley (STA), or equal.
  - 2. Pivots: Dorma (DOR), Ives (IVE), Rixson (RIX), or equal.
  - 3. Locksets and Latchsets: Best (BES), Sargent (SAR), Schlage (SCH), or equal.
  - 4. Exit Devices: Precision (PHI), Sargent (SAR), Von Duprin (VON), or equal.
  - 5. Electric Strikes: Folger Adam (FOL), Hanchett Entry Systems (HES), Rutherford Controls Intl. (RCI), Security Door Controls (SDC), Von Duprin (VON), or equal.
  - 6. Power Supplies for Electrified Hardware: Architectural Control Systems (ACS), Command Access Technologies (CAT), Security Door Controls (SDC), Von Duprin (VON), or equal.

7. Surface Door Closers: Dorma (DOR) 8900 Series, LCN (LCN) 4000 Series, Norton (NOR) 7500 Series, Sargent (SAR) 351 Series, Stanley (STA) D4550 Series, or equal.
8. Overhead Concealed Door Closers: Dorma (DOR), International (INT), LCN (LCN), or equal.
9. Overhead Holders And Stops: Architectural Builders Hardware (ABH), Glynn-Johnson (GLY), Rixson (RIX), Rockwood (ROC), or equal.
10. Architectural Door Trim: Anemostat (ANE), Ives (IVE), Markar (MAR), Rockwood (ROC), Trimco (TRI), or equal.
11. Auxiliary Hardware: Ives (IVE), Rockwood (ROC), Trimco (TRI), or equal.
12. Door Bottoms, Metal Thresholds, Weatherstripping and Gaskets: National Guard Products (NGP), Pemko (PEM), Reese (RSE), Zero (ZER), or equal.

## 2.02 MATERIALS AND FABRICATION

- A. Requirements for grade, materials, size, and other distinctive qualities of each type of door hardware are indicated herein. Furnish items in types, sizes or weight, in accordance with manufacturer's standards, appropriate for the conditions of installation and service, unless otherwise indicated.
- B. Products named or identified by make or model number, or other designation and described herein are base products. Base products establish the standards of type, in-service performance, physical properties, appearance, warranty, cost, and other characteristics required by the Project.

## 2.03 FASTENERS

- A. Provide concealed fasteners for hardware items on exterior doors which are exposed when door is closed.
- B. Combination machine screws and expansion shields shall be used for attaching hardware to concrete or masonry.
- C. Fasteners exposed to the weather in the finished work shall be of brass, bronze, or stainless steel.

## 2.04 BUTT HINGES

- A. Butt hinges shall meet ANSI/BHMA A156.1 requirements.
- B. Hinge dimensions shall conform to ANSI/BHMA A156.7.
- C. Base Metal shall be steel plated for fire-rated doors; bronze or stainless steel for exterior outswinging doors; bronze or plated steel elsewhere as scheduled.
- D. Provide hinges with antifriction bearings for doors with closers.
- E. Unless otherwise indicated, provide hinges in heights as follows:



1. Doors to 36 inches wide: 4-1/2 inches.
  2. Doors over 36 inches to 48 inches wide: 5 inches.
  3. Doors over 48 inches wide: 6 inches.
- F. Provide in minimum width sufficient to clear trim when door swings 180 degrees, whether or not shown on Drawings to swing 180 degrees.
- G. Number of hinges per leaf shall be as follows:
1. Doors to 60 inches in height: 2 hinges.
  2. Doors over 60 to 90 inches in height: 3 hinges.
  3. Doors over 90 to 120 inches in height: 4 hinges.
  4. For doors over 120 inches in height: 4 hinges plus 1 hinge for every 30 inches, or fraction thereof, door height greater than 120 inches.
- H. Screws: Flat head wood screws not less than 1-1/2 inches long for hinges for wood doors; flat head machine screws elsewhere.
- I. Hinges for reverse bevel doors with locks shall have pins that are made non-removable when the door is in the closed position by means of a set screw in the hinge pin barrel.

## 2.05 PIVOT HINGES

- A. Pivot hinges shall meet ANSI/BHMA A156.4 Grade 1 requirements.
- B. Pivots shall be constructed of steel, cast or forged bronze, or stainless steel as indicated by BHMA finish specified.
- C. Where offset pivots are used, provide intermediate pivots as follows:
1. Doors over 60 to 90 inches in height provide one intermediate pivot.
  2. For doors over 90 inches in height provide one additional intermediate pivot for every 30 inches, or fraction thereof.

## 2.06 CYLINDERS, KEYING AND KEY STORAGE

- A. Lock cylinders shall meet ANSI/BHMA A156.5 requirements.
- B. Keying system shall meet ANSI/BHMA A156.28 requirements.
- C. Cylinders shall be keyed according to approved Keying Schedule.
- D. Provide a temporary keying system for interim use during construction.
- E. Provide change keys in individual envelopes for each cylinder delivered. Envelopes shall be marked with respective door identification numbers.
- F. Key set symbol, and inscription "Do Not Duplicate" shall be stamped on all keys.

G. Keys shall be supplied as follows:

1. Locks: 3 change keys each lock.
2. Master keyed sets: 2 keys each set.
3. Grand master keys: 5 total.
4. Construction keys: 10 total.
5. Blank keys: 100 total.

## 2.07 LOCKSETS AND LATCHSETS

- A. Cylindrical Locks and Latches shall meet ANSI/BHMA A156.2 Series 4000 Grade 1 requirements.
- B. Auxiliary Locks shall meet ANSI/BHMA A156.5 requirements.
- C. Operating trim shall be lever type.
- D. Lock Throw: Comply with requirements for length of latch bolts to comply with labeled fire door requirements.
- E. Lock backset shall be 2-3/4 inches unless otherwise indicated.
- F. Provide curved-lip strike with dust box for each latch or lock bolt, with lip extended to protect frame, finished to match door hardware set, unless otherwise indicated.

## 2.08 EXIT DEVICES

- A. Exit devices and exit device accessories shall meet ANSI/BHMA A156.3, Grade 1 requirements.
- B. Panic Exit Devices: Listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.
- C. Fire Exit Devices: Complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252.
- D. Outside Trim: Design, material and finish to match locksets, unless otherwise indicated.
- E. Adjustable strikes shall be provided for rim type and vertical rod devices.

## 2.09 ELECTRIC STRIKES

- A. Electric strikes shall meet ANSI/BHMA A156.31 Grade 1 requirements, and be listed and labeled under UL 1034 Burglary Resistant Electric Locking Equipment.

- B. Electric strikes for fire rated openings shall be listed and labeled for such use by a testing agency acceptable to authorities having jurisdiction. Fail Secure (fail locked) strikes shall be used at all fire rated openings.

## 2.10 SURFACE DOOR CLOSERS

- A. Door closing devices shall meet ANSI/BHMA A156.4, Grade 1 requirements.
- B. Surface closers shall be fully adjustable with sweep speed, latch speed and back check position valves.
- C. Provide closers size adjusted in accordance with ANSI/BHMA A156.4; sized as required to insure closing and latching of doors.
- D. Arm selection shall follow the requirements of the manufacturer's recommendations with brackets, drop plates and miscellaneous accessories provided as necessary.
- E. Provide closers with arms designed to permit openings of doors as far as job conditions will permit; unless otherwise indicated closers with arms restricting opening of door will not be acceptable.

## 2.11 OVERHEAD CONCEALED DOOR CLOSERS

- A. Overhead Concealed Door Closers shall meet ANSI/BHMA A156.4 requirements.
- B. Closers shall be fully adjustable with sweep speed, latch speed and back check position valves.
- C. Provide closers size adjusted in accordance with ANSI/BHMA A156.4; sized as required to insure closing and latching of doors.

## 2.12 OVERHEAD HOLDERS AND STOPS

- A. Overhead holders and stops shall meet ANSI/BHMA A156.8 requirements.
- B. Overhead door holders and stops shall be adjustable from 90 to 110 degrees dead stop or hold open position, as applicable.
- C. Overhead door stops shall have shock absorbers providing 5 to 7 degrees compression before dead stop.
- D. Overhead stops shall not be provided with hold open function when used at fire rated doors.

## 2.13 ARCHITECTURAL DOOR TRIM

- A. Architectural door trim shall meet ANSI/BHMA A156.6 requirements.

- B. Door Protection Plates: Kick, mop, and armor plates shall be 0.050 inch thick brass, bronze, or stainless steel depending on finish indicated. Plates shall have beveled edges, and shall be provided with countersunk mounting holes and No. 6 oval head screw fasteners. Width of kick and armor plates shall be 2 inches less than door width for single doors and 1 inch less for pairs of doors. Width of mop plates shall be 1 inch less than door width. Unless otherwise indicated, height shall be 10 inches for kick and mop plates, and 34 inches for armor plates.
- C. Push and pull bars and grip handles shall be brass, bronze, or stainless steel depending on BHMA finish indicated.

#### 2.14 AUXILIARY HARDWARE

- A. Auxiliary hardware shall meet ANSI/BHMA A156.16 requirements.
- B. Door Stops: Stops shall be of heavy duty construction, provided in finish indicated. Floor stops shall be of height required by floor conditions. Provide stops at all doors as listed in Hardware Sets. Where it is not possible to properly place a floor stop, provide heavy duty concealed overhead type stop.
- C. Silencers: Gray rubber, non-marring configured for metal or wood frames as scheduled. Provide 3 per single door and 2 per pair of doors. Silencers shall be tamper resistant once installed in door frame.

#### 2.15 DOOR BOTTOMS

- A. Door bottoms shall be of aluminum or extruded bronze of the type and finish indicated and shall provide proper clearance and an effective seal with specified thresholds.
- B. Door bottom shall have a vinyl, neoprene, silicone rubber, polyurethane or brush seal as indicated.
- C. The door bottom shall exclude light when the door is in the closed position and shall inhibit the flow of air through the unit.

#### 2.16 METAL THRESHOLDS

- A. Thresholds shall meet ANSI/BHMA A156.21 requirements.
- B. Thresholds shall be heavy-gauge aluminum or bronze of the configuration and finish indicated, and shall provide an effective seal with door bottom.
- C. Where required, thresholds shall be prepared to accommodate floor closers, pivots, and projecting bolts of latching hardware.
- D. Thresholds at floor closers shall have mitered returns and removable access portion for floor closer maintenance.

## 2.17 GASKETING

- A. Gasketing shall meet ANSI/BHMA A156.22 requirements.
- B. Shall be a compression type product for use with wood or steel doors; labeled for use on smoke-control and fire-rated doors where required.

## 2.18 FINISHES

- A. Provide hardware in finishes as indicated.
- B. Unless otherwise indicated, finishes shall conform to those identified in ANSI/BHMA A156.18. Comply with base material and finish requirements indicated by the following:
  - 1. BHMA 600: Primed for painting, steel base metal.
  - 2. BHMA 626: Satin chromium plated over nickel, brass or bronze base metal.
  - 3. BHMA 628: Satin aluminum, clear anodized, aluminum base metal.
  - 4. BHMA 630: Satin stainless steel, stainless-steel base metal.
  - 5. BHMA 652: Satin chromium plated over nickel, steel base metal.
  - 6. BHMA 689: Aluminum painted, any base material.
  - 7. BHMA 719: Mill finish aluminum, uncoated, aluminum base metal.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Examine doors and frames for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Examine rough-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 INSTALLATION

- A. Steel doors shall be factory prepared for hardware per ANSI/BHMA A156.115.
- B. Wood doors shall be factory prepared for hardware per ANSI/BHMA A156.115W.
- C. Installation shall be in accordance with DHI A115.IG.
- D. Hardware for fire door assemblies shall be installed conforming with NFPA 80, and all other applicable building codes and regulations.

- E. Hardware for smoke door assemblies shall be installed conforming with NFPA 105, and all other applicable building codes and regulations.
- F. Install each door hardware item according to manufacturer's printed instructions, utilizing templates and proper fasteners provided by manufacturer.
- G. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
- H. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in other Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

### 3.03 DOOR CLOSING DEVICES

- A. Surface closers on doors opening to or from halls and corridors shall be mounted on the room side of the door.
- B. Surface closers on doors opening into stairs or stair vestibules shall be mounted on the stair or stair vestibule side of the door.
- C. Surface closers on exterior doors shall be mounted on the interior side of building utilizing regular arm, or parallel arm mounting as required.
- D. Door closing devices with adjustable spring power shall be adjusted for proper door operation, and compliance with all applicable codes and regulations.
- E. Cutting of gasketing or weatherstripping to accommodate closer installation is not acceptable.

### 3.04 THRESHOLDS

- A. Thresholds shall be secured with a minimum of 3 fasteners per single door width and 6 fasteners per double door width with a maximum spacing of 12 inches; with a minimum of 1 inch thread engagement into the floor or anchoring device used. Thresholds over 6 inches in width shall be secured with a double row of fasteners.
- B. Exterior thresholds shall be installed in a bed of sealant with combination expansion anchors and stainless steel machine screws, except that bronze or anodized bronze thresholds shall be installed with expansion anchors with brass screws.

### 3.05 HARDWARE LOCATIONS

- A. Unless otherwise indicated install hardware as follows:
  - 1. Bottom Hinge: 10 inches from door bottom to bottom of hinge.
  - 2. Top Hinge: 5 inches from door top to top of hinge.

3. Center Hinge(s) or Pivot(s): Spaced equidistantly between top and bottom hinges/pivots.
4. Lockset / Latchset: 38 inches from finished floor to center of lever.
5. Exit Device: 38 inches from finished floor to device centerline.
6. Floor Stop: Adjacent to wall; not to exceed 4 inches from face of wall; located 3 inches from latch edge of door; in any case never more than 50 percent of door width from latch edge of door.

### 3.06 ADJUSTING

- A. Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended.
- B. Engage a factory-authorized service representative to adjust door closing devices, compensating for final operation of heating and ventilating equipment, and to comply with referenced accessibility requirements.

### 3.07 COMPLETION

- A. When complete all hardware shall be properly secured in place and all exposed surfaces shall be clean and free from scratches, paint, and other defects and damages.
- B. Contractor shall demonstrate that all keys properly operate the locks as identified in the approved Keying Schedule.

### 3.08 DOOR HARDWARE SETS

- A. The following is a general listing of hardware requirements. Provide hardware items required by established standards and practices to meet state and local codes, whether or not specifically indicated in the following sets.
- B. Silencers and gasketing, where listed in Hardware Sets, may be omitted at openings where door frames are provided with integral seals if integral seals satisfy all applicable Codes and Regulations.
- C. Refer to Door Schedule and/ or Drawings for door opening information, hardware set assignment, and related requirements.

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CORPORATION COUNSEL/LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION  
Job No. B-4087A

HW 01

2 Ea.	Pivot Set	547	626	RIX
1 Ea.	Exit Device	CD3547A-EO	626	VON
1 Ea.	Exit Device	CD3547A-NL-OP	626	VON
3 Ea.	Cylinder to Suit Device	Per Specifications	---	---
2 Ea.	OH Concealed Closer	500 Series	689	INT
2 Ea.	Floor Stop	1214	626	TRI
2 Ea.	Door Pull	1171-20"-N Mount	630	TRI
1 Ea.	Threshold	272A	719	PEM

Note: Alum/ Glass Doors - Perimeter, meeting stile and door bottom seals by door manufacturer.

HW 02

	Hinges	AB700	652	HAG
1 Ea.	Classroom Lockset	ND70 SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Ea.	Auto Door Bottom	411APKL	719	PEM
1 Set	Gasketing	S773	---	PEM
3 Ea.	Silencer	1229	---	TRI

HW 03

2 Ea.	Double-Acting Hinge	3029-6x45	652	BOM
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HW 04

	Hinges	AB700	652	HAG
1 Ea.	Office Lockset	ND50 SPA	626	SCH
1 Ea.	Floor Stop	1211	626	TRI
1 Set	Gasketing	S88	---	PEM

HW 05

	Hinges	AB700	652	HAG
1 Ea.	Privacy Lockset	ND40 SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Ea.	Kick Plate	K0050 10" x 2" LDW	630	TRI
1 Set	Gasketing	S88	---	PEM

HW 06

	Hinges	AB700	652	HAG
1 Ea.	Storeroom Lockset	ND80 SPA	626	SCH
1 Ea.	Floor Stop	1211	626	TRI
3 Ea.	Silencer	1229	---	TRI



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HW 07

1 Ea.	Classroom Lockset	ND70 SPA	626	SCH
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Note: Existing Door. Balance of hardware to remain.

HW 08

	Hinges	AB700	652	HAG
1 Ea.	Classroom Lockset	ND70 SPA	626	SCH
1 Ea.	Floor Stop	1211	626	TRI
3 Ea.	Silencer	1229	---	TRI

HW 09

2 Ea.	Pivot Set	547-20	626	RIX
2 Ea.	Fire Exit Device	3547A-L-F	626	VON
2 Ea.	Cylinder to Suit Device	Per Specifications	---	---
2 Ea.	OH Concealed Closer	500 Series	689	INT
2 Ea.	Floor Stop	1214	626	TRI
1 Ea.	Meeting Stile Gasket	S772	---	PEM
1 Set	Gasketing	S88	---	PEM

HW 10

	Hinges	AB700	652	HAG
1 Ea.	Keypad Cylindrical Lock	CO-100-CY-70-KP-SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Ea.	Electric Strike w/Buzzer	55-ABC x RMB 12/24VDC	630	SDC
1 Ea.	Power Supply	602RF 120VAC	---	SDC
1 Ea.	Remote Push Button Release	15-2	---	SDC
1 Set	Gasketing	S88	---	PEM

HW 11

	Hinges	AB700	652	HAG
1 Ea.	Keypad Cylindrical Lock	CO-100-CY-70-KP-SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Ea.	Auto Door Bottom	411APKL	719	PEM
1 Set	Gasketing	S773	---	PEM

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HW 12

	Hinges	AB700	652	HAG
1 Ea.	Office Lockset	ND50 SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Ea.	Auto Door Bottom	411APKL	719	PEM
1 Set	Gasketing	S773	---	PEM

HW 13

	Hinges	AB700	652	HAG
1 Ea.	Office Lockset	ND50 SPA	626	SCH
1 Ea.	Floor Stop	1211	626	TRI
1 Ea.	Auto Door Bottom	411APKL	719	PEM
1 Set	Gasketing	S773	---	PEM

HW 14

	Hinges	AB700	652	HAG
1 Ea.	Storeroom Lockset	ND80 SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Set	Gasketing	S88	---	PEM

HW 15

	Hinges	AB700	652	HAG
1 Ea.	Passage Latchset	ND10 SPA	626	SCH
1 Ea.	Closer	4041/4041EDA	689	LCN
1 Ea.	Floor Stop	1211	626	TRI
1 Set	Gasketing	S88	---	PEM

HW 16

1 Ea.	Storeroom Lockset	ND80 SPA	626	SCH
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Note: Existing Door. Balance of hardware to remain.

END OF SECTION 087100

SECTION 088000 - GLAZING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section Includes:
  - A. Fire rated door glazing.
  - B. Fire rated window glazing.
- B. Related Sections:
  - A. Section 081110 – Hollow Metal Doors and Frames.
  - B. Section 081416 – Flush Wood Doors.

1.03 DEFINITIONS

- A. Manufacturer: A firm that produces primary glass or fabricated glass as defined in referenced glazing publications.
- B. Interspace: Space between lights of an insulating glass that contains dehydrated air or a specified gas.
- C. Deterioration of Coated Glass: Defects developed from normal use that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in metallic coating.
- D. Deterioration of Insulating Glass: Failure of the hermetic seal under normal use that is attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.

1.04 PERFORMANCE REQUIREMENTS

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- A. General: Provide glazing systems capable of withstanding normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
- B. Glass Design: Glass thicknesses indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lights for various size openings in nominal thicknesses indicated, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria:
  - A. Glass Thicknesses: Select minimum glass thicknesses to comply with ASTM E 1300, according to the following requirements:
    - a. Specified Design Wind Loads: Determine design wind loads applicable to Project from basic wind speed indicated in miles per hour at 33 feet above grade, according to ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 6.4.2, "Analytic Procedure," based on mean roof heights above grade indicated on Drawings.
    - b. Probability of Breakage for Vertical Glazing: 8 lights per 1000 for lights set vertically.
    - c. Maximum Lateral Deflection: For the following types of glass supported on all four edges, provide thickness required that limits center deflection at design wind pressure to 1/50 times the short side length or 1 inch, whichever is less.
      - 1) For tempered insulating glass.
      - 2) For tempered monolithic glass.
    - d. Minimum Glass Thickness for Exterior Lights: Not less than 1/4".
    - e. Thickness of Tinted Tempered Glass: Provide a uniform thickness for each tint color indicated throughout Project.
  - C. Thermal Movements: Provide glazing that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures acting on glass framing members and glazing components. Base engineering calculation on surface temperatures of materials due to both solar heat gain and night-sky heat loss.
    - A. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.
  - D. Thermal and Optical Performance Properties: Provide glass with performance properties specified based on manufacturer's published test data, as determined according to procedures indicated below:
    - A. For tempered glass lights, properties are based on units with lights 1/4" thick.
    - B. For insulating-glass units, properties are based on units with lights 1/4" thick and a nominal 1/2-inch wide interspace.

#### 1.05 SUBMITTALS

- A. Product Data: For each glazing product and material indicated.
- B. Samples:
  - A. Four 12"x12" Samples for insulated glass.
  - B. Four 3"x 6" Samples for all other glazing specified.
- C. Glazing Schedule: Use same designations indicated on Drawings for glazed openings in preparing a schedule listing glazing types and thicknesses for each size opening and location.
- D. Product Certificates: Signed by manufacturers of glass and glazing products certifying that products furnished comply with requirements.
- E. Qualification Data: For firms and persons specified to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.
- F. Product Test Reports: From a qualified testing agency indicating the following products comply with Specifications, based on comprehensive testing of current products:
  - A. Tinted tempered glass
  - B. Clear tempered glass
  - C. Low-E tempered insulating glass
  - D. Wire glass
  - E. Transparent glazing
  - F. Fire rated glazing
  - G. Glazing sealants
  - H. Glazing gaskets
- G. Sealant, Waterproofing and Restoration Institute (SWRI) Validation Certificate: For each elastomeric glazing sealant specified to be validated by SWRI's Sealant Validation Program.
- H. Warranties: Special warranties specified in this Section.

#### 1.06 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed glazing similar in material, design, and extent to that indicated for Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Source Limitations for Clear Glass: Obtain clear float glass from one primary-glass manufacturer.
- C. Source Limitations for Tinted Glass: Obtain tinted, float glass from one primary-glass manufacturer for each tint color indicated.

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- D. Source Limitations for Coated Glass: Obtain coated glass from one manufacturer for each type of coating and each type and class of float glass indicated.
- E. Source Limitations for Insulating Glass: Obtain insulating-glass units from one manufacturer using the same type of glass and other components for each type of unit indicated.
- F. Source Limitations for Glazing Accessories: Obtain glazing accessories from one source for each product and installation method indicated.
- G. Glass Product Testing: Obtain glass test results for product test reports in "Submittals" Article from a qualified testing agency based on testing glass products.
  - A. Glass Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.
  - B. Glass Testing Agency Qualifications: An independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.
- H. Elastomeric Glazing Sealant Product Testing: Obtain sealant test results for product test reports in "Submittals" Article from a qualified testing agency based on testing current sealant formulations within a 36-month period.
  - A. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated, as documented according to ASTM E 548.
  - B. Test elastomeric glazing sealants for compliance with requirements specified by reference to ASTM C 920, and where applicable, to other standard test methods.
  - C. Test elastomeric glazing sealants according to SWRI's Sealant Validation Program for compliance with requirements specified by reference to ASTM C 920 for adhesion and cohesion under cyclic movement, adhesion-in-peel, and indentation hardness.
- I. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252.
- J. Fire-Rated Window Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 257.
- K. Safety Glass: Category II materials complying with testing requirements in 16 CFR 1201 and ANSI Z97.1.
  - A. Subject to compliance with Specifications, permanently mark safety glass with certification label of Safety Glazing Certification Council or other certification agency acceptable to authorities having jurisdiction.
- L. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated.

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Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.

- A. GANA Publications: GANA'S "Glazing Manual" and "Laminated Glass Design Guide."
- B. SIGMA Publications: SIGMA TM-3000, "Vertical Glazing Guidelines."
- M. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component light of units with appropriate certification label of one of the following inspecting agencies:
  - A. Insulating Glass Certification Council.
  - B. Associated Laboratories, Inc.
  - C. National Accreditation and Management Institute.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials according to manufacturer's written instructions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
- B. For insulating glass units that will be exposed to substantial altitude changes, comply with insulating glass manufacturer's written recommendations for venting and sealing to avoid hermetic seal ruptures.

1.08 PROJECT CONDITIONS

- A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.
  - A. Do not install liquid glazing sealants when ambient and substrate temperature conditions are outside limits permitted by glazing sealant manufacturer or below 40 deg F.

1.09 WARRANTY

- A. General Warranty: Special warranties specified in this Article do not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Manufacturer's Special Warranty on Coated-Glass Products: Written warranty, made out to Owner and signed by coated-glass manufacturer agreeing to furnish replacements for those coated-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

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- A. Warranty Period: 10 years from date of Final Contract Acceptance.
- C. Manufacturer's Special Warranty on Insulating Glass: Written warranty, made out to Owner and signed by insulating-glass manufacturer agreeing to furnish replacements for insulating-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.
  - A. Warranty Period: 20 years from date of Final Contract Acceptance.

PART 2 - PRODUCTS

2.01 TEMPERED INSULATING GLASS

- A. Wire Glass - Glazing Type W: 1/4-inch thick clear welded wire, listed as fire retardant material by UL.
  - 1. Basis-of-Design Manufacturer: ASG, or approved equal conforming with the requirements of the Specification.
  - 2. Basis-of-Design Product Code: Polished NuWeld Square

2.02 ELASTOMERIC GLAZING SEALANTS

- A. General: Provide products of type indicated, complying with the following requirements:
  - A. Compatibility: Select glazing sealants that are compatible with one another and with other materials they will contact, including glass products, seals of insulating glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
  - B. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
  - C. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range for this characteristic.
- B. Elastomeric Glazing Sealant Standard: Comply with ASTM C 920.

2.03 GLAZING TAPES

- A. Back-Bedding Mastic Glazing Tape: Preformed, butyl-based elastomeric tape with a solids content of 100 percent; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; packaged on rolls with a release paper backing; and complying with ASTM C 1281 and AAMA 800 for products indicated below:



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- A. AAMA 804.3 tape, where required.
  - B. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
  - C. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
- B. Expanded Cellular Glazing Tape: Closed-cell, PVC foam tape; factory coated with adhesive on both surfaces; packaged on rolls with release liner protecting adhesive; and complying with AAMA 800 for the following types:
- A. Type 1, for glazing applications in which tape acts as the primary sealant.
  - B. Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

#### 2.04 GLAZING GASKETS

- A. Dense Compression Gaskets: Molded or extruded gaskets of material indicated below, complying with standards referenced with name of elastomer indicated below, and of profile and hardness required to maintain watertight seal:
- A. Neoprene, ASTM C 864.
  - B. EPDM, ASTM C 864.
  - C. Silicone, ASTM C 1115.
  - D. Thermoplastic polyolefin rubber, ASTM C 1115.
- B. Soft Compression Gaskets: Extruded or molded, closed-cell, integral-skinned gaskets of material indicated below; complying with ASTM C 509, Type II, black; and of profile and hardness required to maintain watertight seal:
- A. Neoprene.
  - B. EPDM.
  - C. Silicone.
  - D. Thermoplastic polyolefin rubber.

#### 2.05 GLAZING COMPOUND FOR FIRE RATED GLAZING MATERIALS.

- A. Glazing Tape: Closed cell polyvinyl chloride (PVC) foam, coiled on release paper over adhesive on two sides, maximum water absorption by volume of 2 percent.
- B. Setting Blocks: Neoprene, EPDM or hardwood; tested for compatibility with glazing compound; of 70 to 90 Shore A hardness.
- C. Cleaners, Primers, and Sealers: Type recommended by manufacturer of glass and gaskets.

#### 2.06 MISCELLANEOUS GLAZING MATERIALS

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- A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks: Elastomeric material with a Shore A durometer hardness of 85, plus or minus 5.
- D. Spacers: Elastomeric blocks or continuous extrusions with a Shore A durometer hardness required by glass manufacturer to maintain glass lights in place for installation indicated.
- E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).
- F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.07 FABRICATION OF GLASS AND OTHER GLAZING PRODUCTS

- A. Fabricate glass and other glazing products in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing standard, to comply with system performance requirements.
- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lights in a manner that produces square edges with slight kerfs at junctions with indoor and outdoor faces.
- C. Grind smooth and polish exposed glass edges.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine framing glazing, with installer present, for compliance with the following:
  - A. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
  - B. Presence and functioning of weep system.
  - C. Minimum required face or edge clearances.
  - D. Effective sealing between joints of glass-framing members.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

### 3.03 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
- B. Glazing channel dimensions must provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.
- C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
- D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.
- E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
- F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lights.
- G. Provide spacers for glass lights where the length plus width is larger than 50 inches as follows:
  - A. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
  - B. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- H. Provide edge blocking where indicated or needed to prevent glass lights from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
- I. Set glass lights in each series with uniform pattern, draw, bow, and similar characteristics.
- J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.

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- K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away. Seal corner joints and butt joints with sealant recommended by gasket manufacturer.

#### 3.04 TAPE GLAZING

- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Where framing joints are vertical, cover these joints by applying tapes to heads and sills first and then to jambs. Where framing joints are horizontal, cover these joints by applying tapes to jambs and then to heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Do not remove release paper from tape until just before each glazing unit is installed.
- F. Apply heel bead of elastomeric sealant.
- G. Center glass lights in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- H. Apply cap bead of elastomeric sealant over exposed edge of tape.

#### 3.05 GASKET GLAZING (DRY)

- A. Fabricate compression gaskets in lengths recommended by gasket manufacturer to fit openings exactly, with stretch allowance during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Center glass lights in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- D. Install gaskets so they protrude past face of glazing stops.

#### 3.06 SEALANT GLAZING (WET)

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- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lights and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.07 PROTECTION AND CLEANING

- A. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing, held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces.
- B. Protect glass from contact with contaminating substances resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove them immediately as recommended by glass manufacturer.
- C. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for build-up of dirt, scum, alkaline deposits, or stains; remove as recommended by glass manufacturer.
- D. Remove and replace glass that is broken, chipped, cracked, abraded, or damaged in any way, including natural causes, accidents, and vandalism, during construction period.
- E. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Final Contract Acceptance. Wash glass as recommended by glass manufacturer.

END OF SECTION 088000

## SECTION 122113 - HORIZONTAL LOUVER BLINDS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes the following:
  - 1. Horizontal louver blinds with aluminum slats to be installed at all interior windows.

#### 1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show fabrication and installation details for horizontal louver blinds.
- C. Maintenance data.

#### 1.4 QUALITY ASSURANCE

- A. Product Standard: Provide horizontal louver blinds complying with WCSC A 100.1.

### PART 2 - PRODUCTS

#### 2.1 HORIZONTAL LOUVER BLINDS, ALUMINUM SLATS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide "Riviera" model manufactured by Levolor (a Newell Rubbermaid Company) with "Standard Vogue" valance, or a comparable product by one of the following:
  - 1. Hunter Douglas;
  - 2. Springs Window Fashions Division, Inc.
- B. Slats: Aluminum; alloy and temper recommended by producer for type of use and finish indicated; with crowned profile and radiused corners.
  - 1. Width: 1 inch.
  - 2. Gauge: 8.

- 3. Finish: One color
  - a. Ionized Coating: Antistatic, dust-repellent, baked polyester finish.
  - b. Color: 00110, "White".
- C. Headrail: Formed steel or extruded aluminum; long edges returned or rolled; fully enclosing operating mechanisms on three sides and end plugs.
- D. Bottom Rail: Formed-steel or extruded-aluminum tube, with plastic or metal capped ends.
- E. Maximum Light-Blocking Blinds: Designed for eliminating all visible light gaps if slats are tilted closed and with minimal-sized rout holes for ladders hidden and placed near back edge for maximum slat overlap; with headrail and bottom rail extended and formed for light-tight joints between rail and adjacent slats or construction.
- F. Ladders: Evenly spaced to prevent long-term slat sag.
  - 1. For Blinds with Nominal Slat Width 1 Inch or Less: Braided string.
- G. Lift Cords: Manufacturer's standard.
- H. Tilt Control: Enclosed worm-gear mechanism, slip clutch or detachable wand preventing overrotation, and linkage rod.
- I. Lift Operation: Manual.
- J. Valance: Manufacturer's standard.
- K. Mounting: Wall mounting.

## 2.2 HORIZONTAL LOUVER BLIND FABRICATION

- A. Concealed Components: Noncorrodible or corrosion-resistant-coated materials.
  - 1. Lift-and-Tilt Mechanisms: With permanently lubricated moving parts.
- B. Unit Sizes: Obtain units fabricated in sizes to fill window and other openings as follows:
  - 1. Blind Units Installed between (inside) Jambs: Width equal to 1/4 inch per side or 1/2 inch total, plus or minus 1/8 inch less than jamb-to-jamb dimension of opening in which each blind is installed. Length equal to 1/4 inch plus or minus 1/8 inch less than head-to-sill dimension of opening in which each blind is installed.
- C. Installation Brackets: Designed for easy removal and reinstallation of blind, for supporting headrail, valance, and operating hardware, and for hardware position and blind mounting method indicated.

CORPORATION COUNSEL/LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL  
MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION  
Job No. B-4087A

- D. Installation Fasteners: No fewer than two fasteners per bracket, fabricated from metal noncorrosive to blind hardware and adjoining construction; type designed for securing to supporting substrate; and supporting blinds and accessories under conditions of normal use.
- E. Color-Coated Finish:
  - 1. Metal: For components exposed to view, apply manufacturer's standard baked finish.
- F. Component Color: Provide rails, cords, ladders, and exposed-to-view metal and plastic matching or coordinating with slat color, unless otherwise indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, and other conditions affecting performance.
  - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install horizontal louver blinds level and plumb and aligned with adjacent units according to manufacturer's written instructions, and located so exterior slat edges in any position are not closer than 1 inch to interior face of glass. Install intermediate support as required to prevent deflection in headrail. Allow clearances between adjacent blinds and for operating glazed opening's operation hardware if any.
- B. Jamb Mounted: Install headrail flush with face of opening jamb and head.
- C. Adjust horizontal louver blinds to operate smoothly, easily, safely, and free of binding or malfunction throughout entire operational range.
- D. Clean horizontal louver blind surfaces after installation, according to manufacturer's written instructions.

END OF SECTION 122113



**FURNITURE, FINISHING AND EQUIPMENT ALBUM**

CORPORATION COUNSEL & LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL  
MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

HAWAII COUNTY BUILDING

COUNTY JOB NO. : B-4087A  
ADDITIVE ALTERNATE 1 & 2


JULY 2012

Prepared/Designed by: \_\_\_\_\_

Fleming and Associates, LLC  
557 Manono St. Hilo, HI 96720  
Phone: (808) 935-9358

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL & LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-8						
<b>Item Name:</b>	Conference Chair						
<b>Quantity:</b>	18						
							
<p>DTCL-M111C      W 25.5 D 25 H 42</p>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
<b>Address:</b>				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>							
<b>Item:</b>	Dorso "T"						
<b>Model #:</b>							
<b>Width:</b>	25.5						
<b>Depth:</b>	25						
<b>Height:</b>	42						
<b>Upholstery Fabric:</b>	Dani Leather USA color: Florida #2178 Eucalyptus						
	submit swatch for Architect's / Client's approval						
<b>Base / Arm Finish:</b>	All Black Arms & Chrome Base & Casters						
<b>Locations:</b>	L01						
<b>Furniture Plan Sheet:</b>	A2.13.1						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	RT-2						
<b>Item Name:</b>	Round Table						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Round table with 5.5" circular col.						
<b>Item:</b>	Athens Round Table						
<b>Model #:</b>	AH5R4829P-74P						
<b>Width:</b>	Diameter - 48"						
<b>Depth:</b>	29"						
<b>Height:</b>							
<b>Upholstery Fabric:</b>	table top finish to match Cabinetry at Room L08 - submit swatch for						
	Architect's/Client's approval						
<b>Base / Arm Finish:</b>	Chrome base finish						
<b>Locations:</b>	L08						
<b>Furniture Plan Sheet:</b>	A2.13.1						

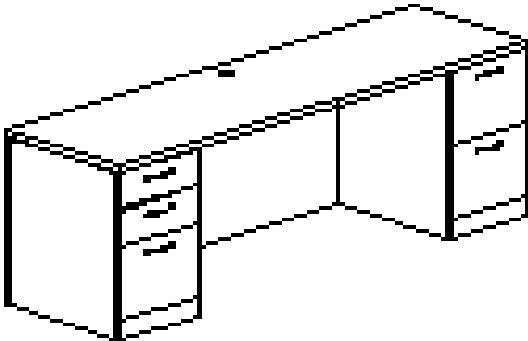
## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION					
<b>County Job No:</b>	B-4087A					
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230					
<b>Rev. No. / Date:</b>	July 20, 2012					
<b>Item Tag Code:</b>	D-3					
<b>Item Name:</b>	L-shaped Tasked Table					
<b>Quantity:</b>	2	Left Return			2	Right Return
						
<b>SPECIFICATIONS:</b>						
<b>Manufacturer:</b>	KI	<b>Tel:</b>	808-8470911			
<b>Contact:</b>	Stephan Edwards of Systemcenter	<b>Fax:</b>	808-8482784			
<b>Address:</b>	Kelcee Masaki of Systemcenter	<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>			
<b>Description:</b>	Single pedestal credenza with return, without overhead credenza with grommet					
<b>Item:</b>	Delsanti					
<b>Model #:</b>	Right pedestal -KCT4518712460 & / Left pedestal- KCT4519712460					
	& (left return) KCT43022436 / & (right return) KCT43012436					
<b>Width:</b>	Credenza 60" & Return Table 36"					
<b>Depth:</b>	Credenza 24" & Return Table 24"					
<b>Height:</b>	29-1/4"					
<b>Upholstery Fabric:</b>						
<b>Base / Arm Finish:</b>	Submit finish color swatch for Architect's/Client's approval					
	Finish- cherry storm and use Delsanti wood edge					
<b>Locations:</b>	L07, L11					
<b>Furniture Plan Sheet:</b>	A2.13.1					

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	D-4						
<b>Item Name:</b>	Tasked Table						
<b>Quantity:</b>	3						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Double pedestal credenza credenza with grommet						
<b>Item:</b>	Delsanti						
<b>Model #:</b>	KCT451772712460						
<b>Width:</b>	60"						
<b>Depth:</b>	24"						
<b>Height:</b>	29-1/4"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- cherry storm and use Delsanti wood edge Submit swatch for Architect's/Client's approval						
<b>Locations:</b>	235						
<b>Furniture Plan Sheet:</b>	A2.13.1						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-5						
<b>Item Name:</b>	Filing cabinet						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Vertical File, 2 High/drawer						
<b>Item:</b>	700 Series Free Standing Pedestal						
<b>Model #:</b>	S7V/15302DFB						
<b>Width:</b>	15"						
<b>Depth:</b>	27-5/8"						
<b>Height:</b>							
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	L06						
<b>Furniture Plan Sheet:</b>	A2.13.1						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-6						
<b>Item Name:</b>	Filing cabinet						
<b>Quantity:</b>	4						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Vertical File, 4 High						
<b>Item:</b>	700 Series Free Standing Pedestal						
<b>Model #:</b>	S7V/15304DFB						
<b>Width:</b>	15"						
<b>Depth:</b>	27-5/8"						
<b>Height:</b>							
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	L06, L07, 235, L11						
<b>Furniture Plan Sheet:</b>	A2.13.1						

## HAWAII COUNTY BUILDING


## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	LIQUOR CONTROL OFFICE - Unit 230						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-7						
<b>Item Name:</b>	Filing Cabinet						
<b>Quantity:</b>	13						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Lateral file, 3 drawer						
<b>Item:</b>	700 Series Free Standing Pedestal						
<b>Model #:</b>	S7L/423603D/KS						
<b>Width:</b>	42						
<b>Depth:</b>	18						
<b>Height:</b>	39						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	L01, L02, L10, L11, 235						
<b>Furniture Plan Sheet:</b>	A2.13.1						




## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-1						
<b>Item Name:</b>	Conference Chair						
<b>Quantity:</b>	8						
							
DTC1-M111C                      W 25.5 D 25 H 42							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
<b>Address:</b>				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>	Synchro tilt, black fixed cantilever arms, fixed mid-back, series 1, chrome base						
<b>Item:</b>	Dorso "T"						
<b>Model #:</b>	DTC1-M111C						
<b>Width:</b>	25.5						
<b>Depth:</b>	25						
<b>Height:</b>	42						
<b>Upholstery Fabric:</b>	Gray (with two tone) leather as per Krug brochure						
	submit swatch for Architect's / Client's approval						
<b>Base / Arm Finish:</b>	All Black Arms & Chrome Base & Casters						
<b>Locations:</b>	CO1						
<b>Furniture Plan Sheet:</b>	A3.13.2						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-2						
<b>Item Name:</b>	Task Chair						
<b>Quantity:</b>	3						
 <p>DEC1-H131C      W 25.5 D 25 H 50</p>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
<b>Address:</b>				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>	Sycrhro tilt/ seat slider mechanism, leather wrapped arms high back, polished chrome accent,						
<b>Item:</b>	Dorso E						
<b>Model #:</b>	DEC1-H232C						
<b>Width:</b>	25.5						
<b>Depth:</b>	25						
<b>Height:</b>	50						
<b>Upholstery Fabric:</b>	leather: dark tone submit swatch for Architect's/Clients approval prior ordering						
<b>Base / Arm Finish:</b>	polished chrome base						
<b>Locations:</b>	C02, C06, C10						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-3						
<b>Item Name:</b>	Guest chair						
<b>Quantity:</b>	6						
							
<p>2451-0A      W 23 D 24 H 33</p>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug	<b>Tel:</b>	310-6591051				
<b>Contact:</b>	Terry Rodenbeck	<b>Fax:</b>	310-6593679				
<b>Address:</b>		<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>				
<b>Description:</b>	Open arms, open back						
<b>Item:</b>	Richmond guest chair						
<b>Model #:</b>	2451-0A						
<b>Width:</b>	23						
<b>Depth:</b>	24						
<b>Height:</b>	33						
<b>Upholstery Fabric:</b>	fabric seat and back - submit swatch for Architect's/Client's approval						
<b>Base / Arm Finish:</b>	frame cherry wood finish						
<b>Locations:</b>	C02, C06, C10						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-4						
<b>Item Name:</b>	Task chair						
<b>Quantity:</b>	30						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug	<b>Tel:</b>	310-6591051				
<b>Contact:</b>	Terry Rodenbeck	<b>Fax:</b>	310-6593679				
<b>Address:</b>		<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>				
<b>Description:</b>	Option 2 - T-Arms in black with synchro tilt, 5 star base in black						
<b>Item:</b>	Aqua Chair						
<b>Model #:</b>	AQU1U11B						
<b>Width:</b>	26.6"						
<b>Depth:</b>	23"						
<b>Height:</b>	38.3"						
<b>Upholstery Fabric:</b>	Fabric - submit swatch for Architect's/Client's approval						
<b>Base / Arm Finish:</b>	frame: matte black finish						
<b>Locations:</b>	C03, C04, C05, C08, C09 -2, C11, C12, C13, C14, C17, C21, C23A-2,C23B, C24, C25, C26A, C26B,C28, C29, C30, C32, C34, C33, C36-2, C35, C 37-2						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-5						
<b>Item Name:</b>	Guest chair						
<b>Quantity:</b>	32						
 <p>1090-AMB      W 22.5 D 26 H 35.5</p>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
<b>Address:</b>				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>							
<b>Item:</b>	Blues guest chair						
<b>Model #:</b>	1090-AMB						
<b>Width:</b>	22.5						
<b>Depth:</b>	28						
<b>Height:</b>	35.5						
<b>Upholstery Fabric:</b>	submit swatch for Architect's/Client's approval						
<b>Base / Arm Finish:</b>	frame: Matte Black finish						
<b>Locations:</b>	C04-2, C08, C11-2, C13-2, C14-2, C17-2, C21-2, C23B, C24-2, C25-2,						
	C26A-2, C26B-2, C28-2, C29, C30-2, C32-2, C34-2, C33,						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						


## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION		
<b>County Job No:</b>	B-4087A		
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325		
<b>Rev. No. / Date:</b>	July 20, 2012		
<b>Item Tag Code:</b>	C-6		
<b>Item Name:</b>	Stackable Chair		
<b>Quantity:</b>	10	(Note: 6 pcs. per plan and additional 4 pcs. spare)	
			
<b>SPECIFICATIONS:</b>			
<b>Manufacturer:</b>	KI	<b>Tel:</b>	808-8470911
<b>Contact:</b>	Stephan Edwards of Systemcenter	<b>Fax:</b>	808-8482784
	Kelcee Masaki of Systemcenter	<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>
<b>Description:</b>	Armless, stackable chair Seat and back of injection molded polypropylene. Upholstery covers front of seat and		
<b>Item:</b>			
<b>Model #:</b>	Perry Stack Chair		
<b>Width:</b>	19.5"-23.5"		
<b>Depth:</b>	21.5"		
<b>Height:</b>	32.5"		
<b>Upholstery Fabric:</b>	Seat and back use moss color submit swatch for Architect's/Client's approval		
<b>Base / Arm Finish:</b>	Matte stainless steel finish for frame		
<b>Locations:</b>	C15		
<b>Furniture Plan Sheet:</b>	A3.13.3		

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	C-7						
<b>Item Name:</b>	Task Chair						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KL	<b>Tel:</b>	808-8470911				
<b>Contact:</b>	Stephan Edwards of Systemcenter	<b>Fax:</b>	808-8482784				
	Kelcee Masaki of Systemcenter	<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>				
<b>Description:</b>	Armless chair with fabric seat						
<b>Item:</b>	Glimmer Task Armless Chair						
<b>Model #:</b>	G705NAUS						
<b>Width:</b>	26"						
<b>Depth:</b>	26"						
<b>Height:</b>	31-36"						
<b>Upholstery Fabric:</b>	Mastard Seed Fabric seat						
	submit swatch for Architect's / Client's approval						
<b>Base / Arm Finish:</b>	Frame: black powder coated finish						
<b>Locations:</b>	C37						
<b>Furniture Plan Sheet:</b>	A3.13.2						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	T-1						
<b>Item Name:</b>	Conference Table						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
<b>Address:</b>				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>	Rectangular wood conference table w/ pedestal and power/tel/ data outlets note: 2 power boxes on top of table by others see cable cubby 600 specs attached coordinate w/ Architect/AV consultant prior ordering and cutting power box holes						
<b>Item:</b>	Millennium						
<b>Model #:</b>	68019648-T (top); 2 pcs - 6816-24-6-29 (base ) all wood						
<b>Width:</b>	8'						
<b>Depth:</b>	4'						
<b>Height:</b>							
<b>Upholstery Fabric:</b>	all wood finish: medium anigre (8 seater table)						
	submit swatch for Architect's/Client's approval						
<b>Base / Arm Finish:</b>							
<b>Locations:</b>	C01						
<b>Furniture Plan Sheet:</b>	A3.13.2						



## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	T-2						
<b>Item Name:</b>	Task table						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
<b>Address:</b>				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>	desk with grommet						
<b>Item:</b>	Millennium Rectangular table with wood panel base OR Millennium Desk						
<b>Model #:</b>	68D-7136-4-LDRD						
<b>Width:</b>	71"						
<b>Depth:</b>	36.25"						
<b>Height:</b>	28.5"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	cherry storm wood finish, submit swatches for Architects/Clients approval						
	Use del santi wood edge, to match BC-1 finish/color						
<b>Locations:</b>	C02						
<b>Furniture Plan Sheet:</b>	A3.13.2						


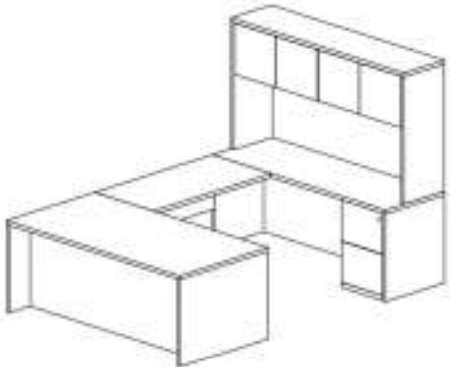
## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	ST-1						
<b>Item Name:</b>	Side table						
<b>Quantity:</b>	1						
							
<small>6800-24-24-21                      W 24 D 24 H 21</small>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug				<b>Tel:</b>	310-6591051	
<b>Contact:</b>	Terry Rodenbeck				<b>Fax:</b>	310-6593679	
<b>Address:</b>					<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>	
<b>Description:</b>							
<b>Item:</b>	Millennium side table						
<b>Model #:</b>	6800-24-24-21						
<b>Width:</b>	24						
<b>Depth:</b>	24						
<b>Height:</b>	21						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	cherry finish, use torrens edge profile						
	submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C10						
<b>Furniture Plan Sheet:</b>	A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	D-1						
<b>Item Name:</b>	U-shaped Work Table						
<b>Quantity:</b>	2						
 							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	with overhead hatch w/ doors, lighting & tack board under overhead, Desk top with grommets, Mobile B/B/F pedestal w. pencil tray and locks. F/FPedestal with locks						
<b>Item:</b>	Darwin "U-shaped Desk"						
<b>Model #:</b>	KAT40123672    KAT41022448    KAT45112472    KAT60011771						
<b>Width:</b>	Desk - 6' (72"); Return - 4' (48"); Credenza- 6' (72"); Hutch (71"); Pedestal						
<b>Depth:</b>	Desk - 3' (36"); Return - 2' (24"); Credenza-2' (24"); Hutch (17"); KAT70072017						
<b>Height:</b>							
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- cherry storm and use Delsanti wood edge						
	submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C06, C10,						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

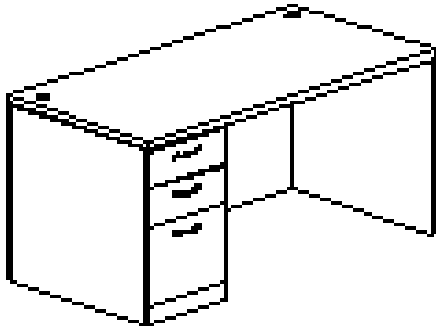
## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	D-2						
<b>Item Name:</b>	L-shaped Tasked Table						
<b>Quantity:</b>	6	Left return				7	Right return
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	without overhead desk with grommet						
<b>Item:</b>	700 Series Desking						
<b>Model #:</b>	Desk - 7D/D3072/74P-F/G / Return - 7D/R2448 (field changeable Right or Left )						
<b>Width:</b>	Desk 72" / Return Table 48"						
<b>Depth:</b>	Desk 30" / Return Table 24"						
<b>Height:</b>	Note: See furniture floor plan for return locations						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	laminate finish-submit swatch color for Architect's/Client's approval						
<b>Locations:</b>	C11, C13, C14, C17, C21, C25, C24, C26, C28, C32, C34, C36,						
<b>Furniture Plan Sheet:</b>							

## HAWAII COUNTY BUILDING


## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	M-1						
<b>Item Name:</b>	Modular						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KL	<b>Tel:</b>	808-8470911				
<b>Contact:</b>	Stephan Edwards of Systemcenter	<b>Fax:</b>	808-8482784				
<b>Address:</b>	Kelcee Masaki of Systemcenter	<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>				
<b>Description:</b>	Single Pedestal Desk (drawers left side) desk with grommet						
<b>Item:</b>	Delsanti						
<b>Model #:</b>	KCT4009723060 (Left)						
<b>Width:</b>	60"						
<b>Depth:</b>	30"						
<b>Height:</b>	29-1/4"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- cherry storm and use Delsanti wood edge submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C08						
<b>Furniture Plan Sheet:</b>	A3.13.2						


## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	M-2						
<b>Item Name:</b>	Work Table L-shaped						
<b>Quantity:</b>	4						



M-2

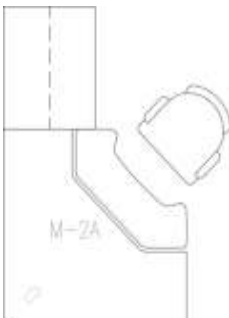




Typical layout, varies orientation  
(see Furniture Plan)

<b>SPECIFICATIONS:</b>			
<b>Manufacturer:</b>	KI	<b>Tel:</b>	808-8470911
<b>Contact:</b>	Stephan Edwards of Systemcenter	<b>Fax:</b>	808-8482784
<b>Address:</b>	Kelcee Masaki of Systemcenter	<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>
<b>Description:</b>	Tripod Corner Fixed Height Dual, with keyboard tray desk with grommet Note: See Furniture Plan for Left return and Right return location		
<b>Item:</b>	Genesis Desking		
<b>Model #:</b>	GCCT30484830D/F w/ side return GSTR2430S (verify plan for left and right location)		
<b>Width:</b>	30" (D) x 48" (W) x 48" (W) x 30" (D)		
<b>Depth:</b>			
<b>Height:</b>	29"		
<b>Upholstery Fabric:</b>			
<b>Base / Arm Finish:</b>	finish laminate - cherrystorm, use 74P edge style All finishes is subject to Architects/Clients approval prior ordering		
<b>Locations:</b>	C09, C23B, C29, C37		
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3		

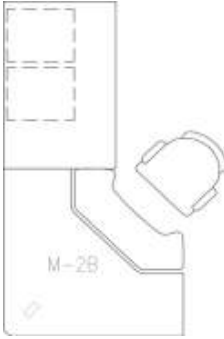

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	M-2A						
<b>Item Name:</b>	Work Table L-shaped						
<b>Quantity:</b>	1						
<div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p>Typical layout, varies orientation (see Furniture Plan)</p>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Tripod Corner Fixed Height Dual, with keyboard tray desk with grommet, additional transaction tray flush to sides (model: GTRA48) Note: See Furniture Plan for Left return and Right return location						
<b>Item:</b>	Genesis Desking						
<b>Model #:</b>	GCCT30484830D/F w/ side return GSTR2430S (verify plan for left and right location)						
<b>Width:</b>	30" (D) x 48" (W) x 48" (W) x 30" (D)						
<b>Depth:</b>							
<b>Height:</b>	29"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	finish laminate - cherrystorm, use 74P edge style						
	All finishes is subject to Architects/Clients approval prior ordering						
<b>Locations:</b>	C35						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	M-2B						
<b>Item Name:</b>	Work Table L-shaped						
<b>Quantity:</b>	7						
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Typical layout, varies orientation (see Furniture Plan)</p> </div> <div style="text-align: center;">  </div> </div>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
<b>Address:</b>	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Tripod Corner Fixed Height Dual, with keyboard tray desk with grommet Note: See Furniture Plan for Left return and Right return location						
<b>Item:</b>	Genesis Desking						
<b>Model #:</b>	GCCT30484830D/F w/ side return GSTR3048S (verify plan for left and right location)						
<b>Width:</b>	30" (D) x 48" (W) x 48" (W) x 30" (D)						
<b>Depth:</b>							
<b>Height:</b>	29"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	finish laminate - cherrystorm, use 74P edge style All finishes is subject to Architects/Clients approval prior ordering						
<b>Locations:</b>	C03, C05, C12, C14, C33, C36-2						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						



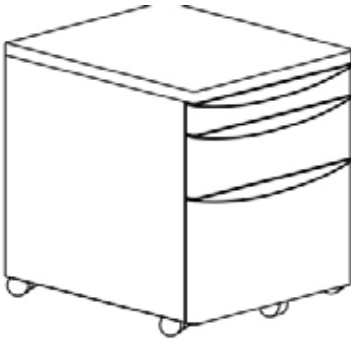
## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-1						
<b>Item Name:</b>	Free Standing Pedestal						
<b>Quantity:</b>	28						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Vertical file, 2 high						
<b>Item:</b>	700 Series Free Standing Pedestal						
<b>Model #:</b>	S7P/1520FFF/KS						
<b>Width:</b>	15"						
<b>Depth:</b>	18"						
<b>Height:</b>	25.3125"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C02, C03-2, C04-2. C08, C09-3, C11,C13, C14, C21, C23B-2, C24, C26B-2, C30-2, C32-2, C34-2, C37-4						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						


## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-1A						
<b>Item Name:</b>	Filing cabinet						
<b>Quantity:</b>	18						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Vertical file, 2 high , Mobile w/ caster 1 pencil drawer, 1 box drawer and 1 file drawer Refer to Furniture Plan for actual location (placed under the desk)						
<b>Item:</b>	700 Series Pedestal , Mobile						
<b>Model #:</b>	S7P/1530FFF						
<b>Width:</b>	15.75"						
<b>Depth:</b>	27.5"						
<b>Height:</b>	25.3125						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C03,C05, C09, C12, C14, C23A-2, C23B, C29, C33, C35, C36-4, C37-2						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-2						
<b>Item Name:</b>	Filing cabinet						
<b>Quantity:</b>	34						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Vertical file, 4 high 4 file drawers						
<b>Item:</b>	700 Series Free Standing Pedestal						
<b>Model #:</b>	S7V/15304DFB						
<b>Width:</b>	15"						
<b>Depth:</b>	27-5/8"						
<b>Height:</b>							
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C03-4, C08-2, C09, C12-5, C14-2, C17-2, C23B, C25-2, C26A-2, C28-2, C29, C33-2, C35-3, C36, C37-4						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-3						
<b>Item Name:</b>	Filing Cabinet						
<b>Quantity:</b>	28						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	lateral/ horizontal file, 3 drawer						
<b>Item:</b>	700 Series Free Standing Pedestal						
<b>Model #:</b>	S7L/423603D/KS						
<b>Width:</b>	42						
<b>Depth:</b>	18						
<b>Height:</b>	39						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	Finish- gray tone, submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C03-2, C04, C05, C08-2, C11, C13, C17-3, C21, C24, C25, C26A, C26B, C29, C30, C32, C33, C34, C35-2, C36-3, C37-2						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						


## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	FC-4						
<b>Item Name:</b>	Filing Cabinet						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	lateral, 3 drawer with wood accent finish						
<b>Item:</b>	700 Series of Flush Top Wood Flush						
<b>Model #:</b>	S7LOU - 3 drawer - S7LF/423603DW1						
<b>Width:</b>	42						
<b>Depth:</b>	18-7/8"						
<b>Height:</b>	39-1/4"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	gray base, wood top finish/color to match C10 D-1 (submit swatch for Architect's/Client's approval)						
<b>Locations:</b>	C10						
<b>Furniture Plan Sheet:</b>	A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	WKST						
<b>Item Name:</b>	Work Station - L-SHAPED						
<b>Quantity:</b>	2						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	L-shaped - for two person with low partition - optional desk with grommet. Note verify furniture plan for proper layout						
<b>Item:</b>	Genesis Work Station						
<b>Model #:</b>	GSTR3036SS desk; GSSH30486030S bridge; GSTR3072SS desk						
<b>Width:</b>	36"	30x48x60x30"				72"	
<b>Depth:</b>	30"						30"
<b>Height:</b>							
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	finish Membrane Press - cherrywood , with membrane press plain edge submit swatch for Architect's/Client's approval						
<b>Locations:</b>	C23A, C37						
<b>Furniture Plan Sheet:</b>	A3.13.2, A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	L-1						
<b>Item Name:</b>	Lounge Chair						
<b>Quantity:</b>	2						
 <p>SER3-1-0      W 28.5 D 28.5 H 31.5</p>							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug				<b>Tel:</b>	310-6591051	
<b>Contact:</b>	Terry Rodenbeck				<b>Fax:</b>	310-6593679	
<b>Address:</b>					<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>	
<b>Description:</b>							
<b>Item:</b>	Sera lounge chair						
<b>Model #:</b>	SER3-1-0						
<b>Width:</b>	28.5						
<b>Depth:</b>	28.5						
<b>Height:</b>	31.5						
<b>Upholstery Fabric:</b>	Leather seat and back: Sand K13.5000						
<b>Base / Arm Finish:</b>	wood to match C10 other furniture - submit swatch for Architect's/Client's approval prior ordering						
<b>Locations:</b>	C10						
<b>Furniture Plan Sheet:</b>	A3.13.3						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION



<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	RT-1						
<b>Item Name:</b>	Round Table						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Round table with 5.5" circular col.						
<b>Item:</b>	Athens Round Table						
<b>Model #:</b>	AH5R5429P-74P						
<b>Width:</b>	Diameter - 54"						
<b>Depth:</b>	29"						
<b>Height:</b>							
<b>Upholstery Fabric:</b>	table top finish to match Cabinetry at Room C10 - submit swatch sample for						
	Architect's/Client's approval						
<b>Base / Arm Finish:</b>	Chrome base finish						
<b>Locations:</b>	C10						
<b>Furniture Plan Sheet:</b>	A3.13.3						



## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

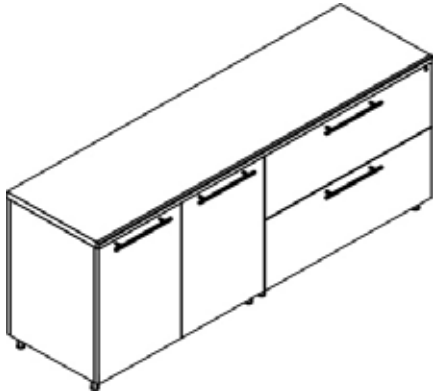
<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	BC-1						
<b>Item Name:</b>	Back Cabinet						
<b>Quantity:</b>	1						

<b>SPECIFICATIONS:</b>			
<b>Manufacturer:</b>	KI	<b>Tel:</b>	310-6591051
<b>Contact:</b>	Terry Rodenbeck	<b>Fax:</b>	310-6593679
			<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>
<b>Item:</b>	Millennium		
<b>Model #:</b>	68C-7120-4-LDRD		
<b>Width:</b>	71"		
<b>Depth:</b>	20.5"		
<b>Height:</b>	28.5"		
<b>Upholstery Fabric:</b>			
<b>Base / Arm Finish:</b>	To match T-2 finish, submit swatch for Architect's/Client's approval prior ordering		
<b>Locations:</b>	C02		
<b>Furniture Plan Sheet:</b>	A3.13.2		

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	BC-2						
<b>Item Name:</b>	Back Cabinet Credenza						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug			<b>Tel:</b>	310-6591051		
<b>Contact:</b>	Terry Rodenbeck			<b>Fax:</b>	310-6593679		
				<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>		
<b>Description:</b>	with lateral file, full face credenza						
<b>Item:</b>	Virtu - Full Face Credenza						
<b>Model #:</b>	62C7220-IBRF						
<b>Width:</b>	71.75						
<b>Depth:</b>	23.75						
<b>Height:</b>	29.28						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	wood door, submit swatch for Architect's/Client approval						
<b>Locations:</b>	C31						
<b>Furniture Plan Sheet:</b>	A3.13.2						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	ET-1						
<b>Item Name:</b>	Equipment Table						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	Fixed height, honeycomb core, high pressure laminate, bullnose edge and round legs						
<b>Item:</b>	Premier Folding Table						
<b>Model #:</b>	NP5						
<b>Width:</b>	60"						
<b>Depth:</b>	30"						
<b>Height:</b>	29"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	submit swatch for Architect's/Client's approval						
<b>Locations:</b>							
<b>Furniture Plan Sheet:</b>	Not shown in plan - Spare						

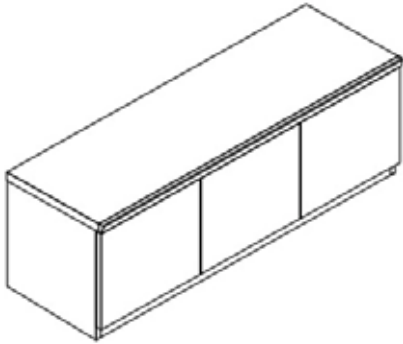
## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	DC-1						
<b>Item Name:</b>	Data/Server Cabinet						
<b>Quantity:</b>	1						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Mayline				<b>Tel:</b>	808-8470911	
<b>Contact:</b>	Stephan Edwards of Systemcenter				<b>Fax:</b>	808-8482784	
	Kelcee Masaki of Systemcenter				<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>	
<b>Description:</b>	Metal open shelving cabinet with 19" rails (2 pair) ( includes 48 Cage-Nuts) provide locks - optional verify owner						
<b>Item:</b>	Data Cabinet						
<b>Model #:</b>	3357236						
<b>Width:</b>	24"						
<b>Depth:</b>	36"						
<b>Height:</b>	72"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	cabinet color- matte black						
<b>Locations:</b>	C31						
<b>Furniture Plan Sheet:</b>	A3.13.2						

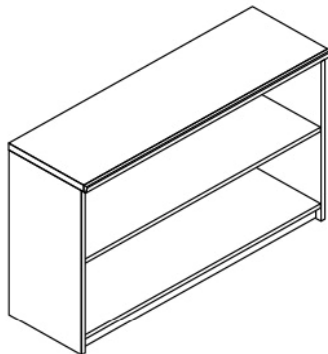
## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	OC-1						
<b>Item Name:</b>	Wall hung Overhead Cabinet						
<b>Quantity:</b>	3						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug	<b>Tel:</b>	310-6591051				
<b>Contact:</b>	Terry Rodenbeck	<b>Fax:</b>	310-6593679				
		<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>				
<b>Description:</b>	double height wall hung, wood door undercabinet lighting included						
<b>Item:</b>	Virtu - Wall hung overhead cabinet						
<b>Model #:</b>	620H-3616-17						
<b>Width:</b>	36						
<b>Depth:</b>	16						
<b>Height:</b>	16.75						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	wood door, submit swatch for Architect's/Client approval						
<b>Locations:</b>	C31						
<b>Furniture Plan Sheet:</b>	A3.13.2						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	OC-2						
<b>Item Name:</b>	Wall hung Overhead Open Cabinet						
<b>Quantity:</b>	2						
							
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	Krug	<b>Tel:</b>	310-6591051				
<b>Contact:</b>	Terry Rodenbeck	<b>Fax:</b>	310-6593679				
		<b>Email:</b>	<a href="mailto:terryr@rodenbeck.com">terryr@rodenbeck.com</a>				
<b>Description:</b>	double height wall hung undercabinet lighting included						
<b>Item:</b>	Virtu - Wall hung overhead open cabinet						
<b>Model #:</b>	6200-3616-30						
<b>Width:</b>	36						
<b>Depth:</b>	16						
<b>Height:</b>	29.28						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	cabinet finish - submit swatch for Architect's/Client approval						
<b>Locations:</b>	C31						
<b>Furniture Plan Sheet:</b>	A3.13.2						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	Accessory for FC-3 lateral files (tag not provided)						
<b>Item Name:</b>	Custom Built laminate top						
<b>Quantity:</b>	20						
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	laminate top for single FC-3						
<b>Item:</b>							
<b>Model #:</b>	S7L/4218T						
<b>Width:</b>	42"						
<b>Depth:</b>	18"						
<b>Height:</b>	1.25"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	finish - submit swatch for Architect's/Client approval						
<b>Locations:</b>	C03-2, C04, C05, C11, C13, C21, C24, C25, C26A, C26B, C29, C30, C32, C33, C34, C35-2, C37-2						
<b>Furniture Plan Sheet:</b>	A3.13.2						

## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	Accessory for FC-3 lateral files ( tag not provided)						
<b>Item Name:</b>	Custom Built laminate top						
<b>Quantity:</b>	2 sets						
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	laminate top for two FC-3 placed side by side (2pcs. Of FC-3 placed side by side)						
<b>Item:</b>							
<b>Model #:</b>	S7L/8418T						
<b>Width:</b>	84"						
<b>Depth:</b>	18"						
<b>Height:</b>	1.25"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	finish - submit swatch for Architect's/Client approval						
<b>Locations:</b>	C08, C17 (placed on top of two side by side FC-3 see furniture plan)						
<b>Furniture Plan Sheet:</b>	A3.13.2						



## HAWAII COUNTY BUILDING

## CORPORATION COUNSEL AND LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS, PHASE II, RESTORATION

<b>Project:</b>	CORPORATION COUNSEL / LIQUOR CONTROL OFFICE HAZARDOUS MATERIAL MITIGATION AND IMPROVEMENTS PHASE II, RESTORATION						
<b>County Job No:</b>	B-4087A						
<b>Project Designation:</b>	CORPORATION COUNSEL - Suite 325						
<b>Rev. No. / Date:</b>	July 20, 2012						
<b>Item Tag Code:</b>	Accessory for FC-3 lateral files ( Tag not provided)						
<b>Item Name:</b>	Custom Built laminate top						
<b>Quantity:</b>	1						
<b>SPECIFICATIONS:</b>							
<b>Manufacturer:</b>	KI			<b>Tel:</b>	808-8470911		
<b>Contact:</b>	Stephan Edwards of Systemcenter			<b>Fax:</b>	808-8482784		
	Kelcee Masaki of Systemcenter			<b>Email:</b>	<a href="mailto:stephan@systemcenter.com">stephan@systemcenter.com</a>		
<b>Description:</b>	laminate top for three FC-3 placed side by side (3pcs. Of FC-3 placed side by side)						
<b>Item:</b>							
<b>Model #:</b>	S7L/12618T						
<b>Width:</b>	126"						
<b>Depth:</b>	18"						
<b>Height:</b>	1.25"						
<b>Upholstery Fabric:</b>							
<b>Base / Arm Finish:</b>	finish - submit swatch for Architect's/Client approval						
<b>Locations:</b>	C36 (placed on top of three side by side FC-3 see furniture plan)						
<b>Furniture Plan Sheet:</b>	A3.13.2						